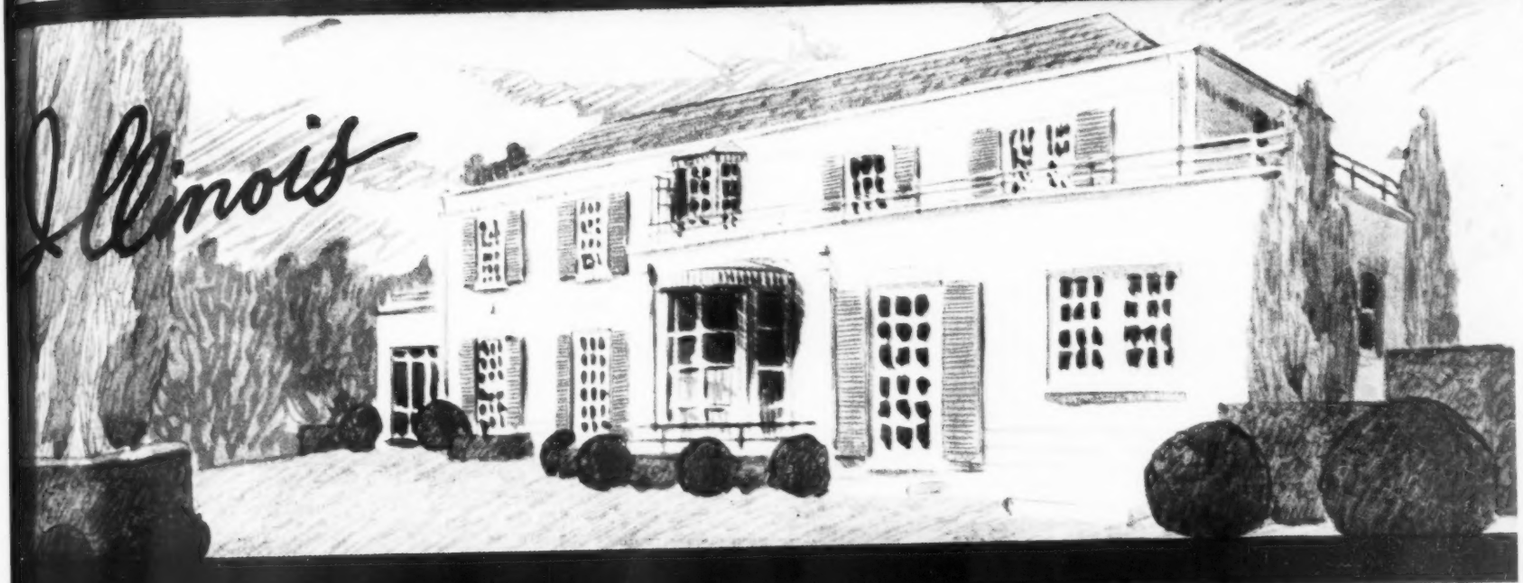
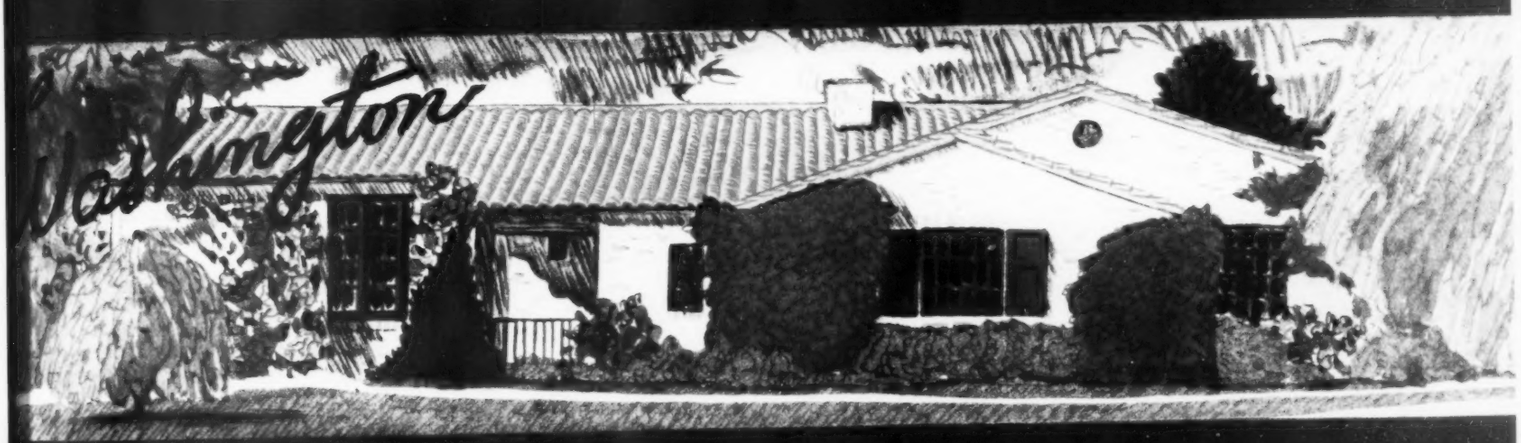
The American Home

10¢





MARCH 1936

FOR A BRILLIANT ENTRANCE

here's a splendid example, daring in color, tastefully handled. Typical of the best Chinese period in its simplicity of motif, it is entirely modern and American in its execution. Individuality marks the floor. It is Armstrong's Black Marbelle Linoleum, with specially designed inset and border of plain white and terra cotta. It plays its part in the decorative scheme as few other floors could . . . yet it is planned first of all for comfort and practical service. Dripping coats and umbrellas won't spot this floor. Tracked-in dirt will disappear after a quick, easy dusting. Waxing now and then with Armstrong's Linogloss self-polishing Wax will keep the colors sparkling. Cemented tightly in place over felt, it will stay warm and comfortable underfoot for years. But don't stop at the entrance hall! There are scores of designs to choose from in Armstrong's Linoleum, suited to every type of room, priced for every purse. See them at your local linoleum merchant's. Find out how much comfort and beauty a few dollars will buy.

Your entrance hall is the show window of your home. Let it reflect an air of gracious welcome for every guest who visits you. Remember that in a small room like this, the floor assumes double importance. No floor can better carry out your desires in color and design than Armstrong's Linoleum . . . no floor can keep its beauty more sparkling . . . no floor is easier to take care of. (Complete specifications for the brilliant entrance hall illustrated here sent on request.)

There's only one satisfactory way to install linoleum on wood floors. Insist on a permanent job cemented over felt.

NEW BOOK OF HOME BEAUTY

See what others have done to make their homes happier with floors of Armstrong's Linoleum. "Floors That Keep Homes in Fashion" is a 36-page book showing all types of rooms in full color. Just send 10¢ (40¢ in Canada) to Armstrong Cork Products Company, Floor Division, 3603 Pine Street, Lancaster, Pa. (Makers of cork products since 1860)

ARMSTRONG'S LINOLEUM FLOORS

For every room in the house

PLAIN • INLAID • EMBOSSED • JASPÉ • PRINTED • ARMSTRONG'S QUAKER RUGS *and* ARMSTRONG'S LINOWALL

HOW TO BE SURE

of getting the finest and cheapest kind of automatic oil heat

BEFORE General Electric engineers ever began designing the G-E Oil Furnace, they set up specifications for ideal oil heating—14 points of vital importance to every home owner—a standard against which every oil heating device could be measured. These are listed here so that you may use them as your own check list. Not one of them can you afford to do without; not one is missing from the G-E Oil Furnace.

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3. **CONTINUOUS HOT WATER:** Built-in water heater provides ample year-round supply for all purposes.
4. **FREEDOM FROM ATTENTION:** Completely automatic, sealed-in, self-oiling mechanism.
5. **COMFORT:** Famous G-E Thermal Control with electric clock automatically changes from day to night temperature at selected times, operates to maintain even temperatures at all times.
6. **CLEANLINESS:** No smoke, soot, odor or dust. No exposed oily parts.
7. **QUIETNESS:** Quiet operation, only one rotating element, and that sealed in steel.
8. **SAFETY:** Arc-welded steel boiler, every operation feature under automatic safety control.
9. **LONG LIFE:** Lifetime boiler, self-oiling mechanism.
10. **COMPACTNESS:** Mechanism on top. Controls built in. Occupies less than two square yards of floor space.
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12. **ATTRACTIVE APPEARANCE.** Beautifully designed steel shell, finished in gray and black lacquer with chromium trim, stainless steel base.
13. **UNDIVIDED RESPONSIBILITY:** Every part made and guaranteed by G-E.
14. **BACKED BY QUALIFIED AND RELIABLE MANUFACTURER.** Product of General Electric.

The complete facts are told in an interesting booklet of 12 pages—LUXURIOUS HEAT. Mail the coupon for a ***free*** copy today.

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IT'S BEAUTIFUL! IT'S FIRESAFE! IT'S THRIFTY! IT'S *Concrete*

Concrete home of Damon Runyon, famous sports writer, at Miami Beach, Florida. Weakley and Knight, Miami Beach, architects.

Comfort, lasting beauty and low upkeep now brought within the average purse

NEW warm colors and textures, perfect adaptability to any style of architecture, and new low first-cost! These are just a few of the reasons why smart people are planning concrete homes.

Think of the care-free comfort of a home that stands like a rock against fires, storms, termites and decay. The concrete home is cozy-warm in winter, with low heating costs. It is delightfully cool in summer. Its rigid, durable construction prevents cracks in plaster, sagging doors and windows and constant repair bills.

Luxurious concrete floors now low in cost

Not so long ago concrete floors were a luxury for the few. Now every home can afford these warm, quiet floors that won't creak or spring. They can be covered with linoleum, wood or carpet; or marked off in squares, and waxed to bring out their rich colors. A different treatment in every room, as you like it.

Cape Cod cottage, Lexington, Massachusetts, designed in concrete by architect Charles M. Willis.

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TELL YOUR ARCHITECT you want a concrete home. Before you build ask a concrete contractor or concrete products man to estimate your house with firesafe concrete walls and floors. Be sure that your architect and builder are familiar with the new concrete technique.

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"5500 Hours in the Air Taught Me About Motors"

A CERTIFIED INTERVIEW WITH GARZA A. WOOTON, PILOT, DALLAS, TEXAS

SEVENTEEN YEARS of flying, 5,500 hours of it, taught Pilot Garza A. Wooton about engine performance.

He tried out a new Plymouth. The sweet-running engine sold him.

"That engine is a honey," he says. "Plenty of pep! And a flyer can appreciate the vibrationless smoothness of Plymouth's patented Floating Power engine mountings.

"Then those great hydraulic brakes and the Safety-Steel body...we always feel safe in our Plymouth."

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Available through all PLYMOUTH Dealers
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AND UP, LIST AT FACTORY, DETROIT SPECIAL EQUIPMENT EXTRA

"THAT'S JUST ONE OF THE REASONS WHY I BOUGHT A NEW 1936 PLYMOUTH!"

WHEN THE 1936 PLYMOUTH was announced, Mr. and Mrs. Wooton decided to try it out. Performance sold them.

"KNOWING ENGINES as I do," says veteran pilot Wooton, "the economy of a Plymouth engine won me — quick!"

PILOT GARZA A. WOOTON shows a fellow-flyer his beautiful 1936 Plymouth De Luxe 4-door touring sedan model.

PLYMOUTH BUILDS GREAT CARS

Left: Garden of Mrs. Joseph F. Ellis, Clarksdale, Miss. Right: Garden of M. Erma Scanlon, Malone, N. Y.

Below: Home of Mr. and Mrs. Alfred Hack, Rockville Centre, L. I.

Below: Home of Mr. and Mrs. Tandy A. Bryson, Troy, N. Y.

Above: Garden of Miss Lula T. Wilson, Russellville, Alabama

MARCH, 1936 VOL. XV, No. 4

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MRS. JEAN AUSTIN, Editor CHARLOTTE L. EATON, Associate Editor LEONARD BARRON, Horticultural Editor

Above: Home of Mr. and Mrs. A. W. Concklin, Hyattsville, Md. Center: Home of Mrs. Ernest Levy, Demopolis, Ala. Right: Home of Miss Lillian Lee Clark, Niantic, Conn.

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Nassau's most Charming Hostess

The Honorable Lady Clifford

Regards Listerine Tooth Paste as an aid to luxurious living.

The beautiful wife of Sir Bede Clifford enthusiastically avows her preference for this dentifrice, with its modest little price of 25¢. Only brilliant results could win the esteem of a woman of such means and discrimination.

Like three million others, Lady Clifford has found that this gentle, safe dentifrice does an amazingly thorough job of cleansing and polishing teeth.

If you haven't tried Listerine Tooth Paste, do so. You will be delighted at the improvement it makes in the appearance of your teeth.

See how thoroughly, how quickly it cleans . . . how white and brilliant it leaves the teeth.

Observe how marvelously it sweeps away surface stains and discolorations.

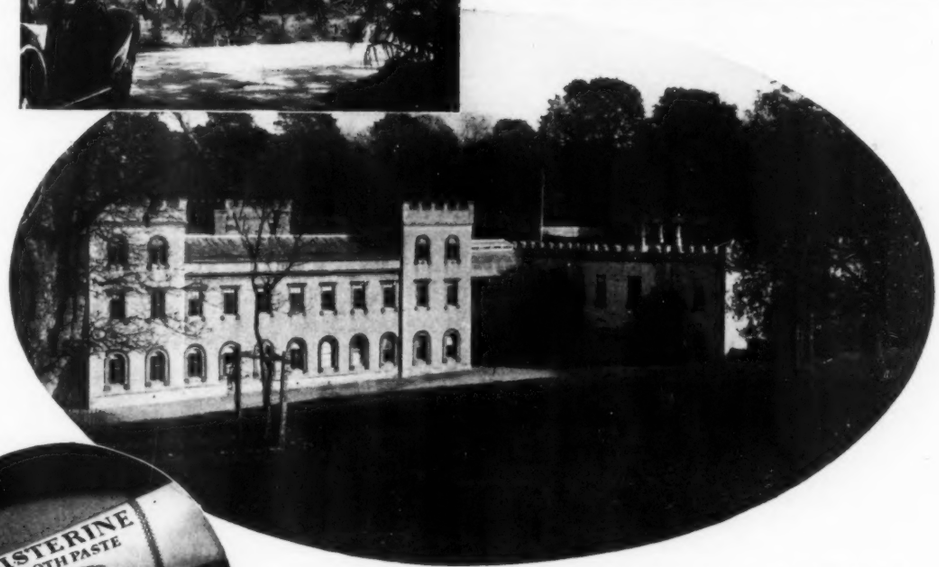
Note the wonderful flash and lustre it gives the enamel.

Look for that delicate flavor and feeling of mouth freshness that follows its use.

Never was a dentifrice, regardless of price, so enthusiastically received and used by the most critical of men and women. Get a tube from your druggist today and give it a thorough trial. Lambert Pharmacal Company, St. Louis, Mo.

Lady Clifford's cabana on the shores of Nassau's Cable Beach, where much of the informal entertaining of the world's notables is done.

★ *American born, known internationally for her beauty and charm, Lady Clifford is the youthful mother of three charming daughters. Her life as the wife of Sir Bede Clifford, Governor of the Bahamas, is as varied as it is interesting. She is equally at home in the African veldt or sailing her sloop in the West Indian waters. She is shown here in Court dress, displaying the famous Clifford heirlooms, earrings given to an early Lord Clifford by Queen Catherine of Braganza, wife of Charles the Second. These earrings were part of Queen Catherine's dowry. The stones are large pear-shaped diamonds, set in smaller diamonds.*



Ugbrooke Park, Chudleigh, Devonshire, English home of Sir Bede and Lady Clifford. This noble castle is two hundred years old and situated on the Clifford estates, which have been in the family since 1100.

"Malice Scourge," Lady Clifford's Pirate-class sloop, a familiar sight in Nassau's emerald and turquoise waters.

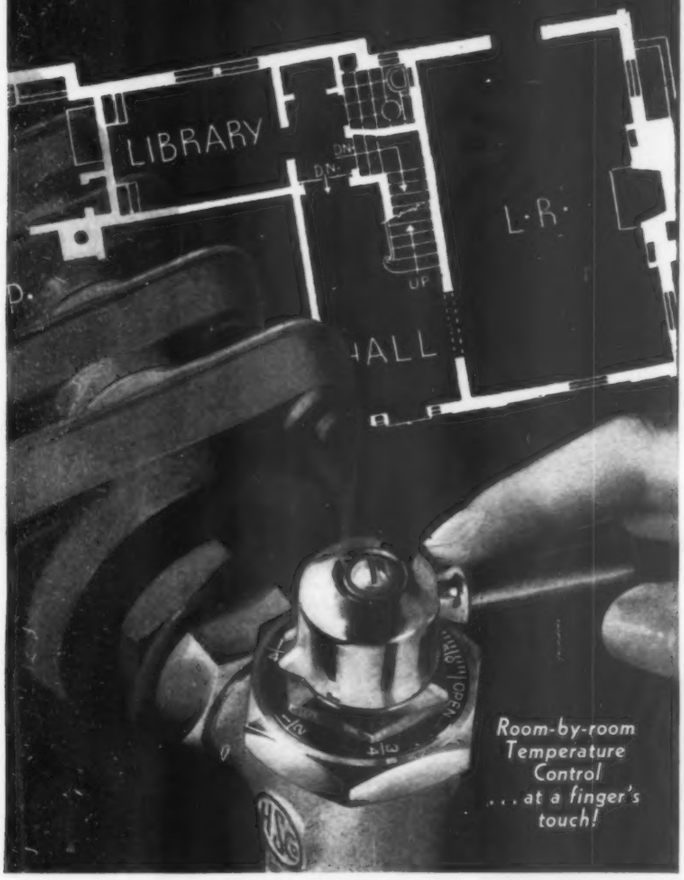
Listerine Tooth Paste

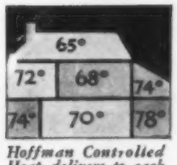
Of course you'll plan for

CONTROLLED RADIANT HEAT

the basis of True

AIR CONDITIONING





Hoffman Controlled Heat delivers to each room individually, as much or as little heat as desired.

Today it is doubly important that the home builder give more critical thought to the selection of his heating system—from both the angle of efficient heating and that of adaptability to air conditioning.

Modern heating engineers agree upon this fact: *Correct heating is the foundation of true air conditioning in the home.* Our tests show that *radiant* heat—as provided by radiators—is most easily controlled, cleanest, most healthful and comfortable. And that only when air conditioning equipment is furnished as an *auxiliary unit* is the highest type of home comfort attained.

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Hoffman Controlled Heat costs no more than any good two-pipe system and its equipment is adaptable to any type of steam boiler. Send for our new booklet which contains full information and will add considerably to your knowledge of heating. Hoffman Specialty Co., Inc., Dept. AH-3, Waterbury, Conn.

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Also Makers of Venting Valves and Hoffman Economy Pumps

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MAGIC CHEF • SERIES 2100

An unusually commodious model with extra deep oven and working top; drawer type, smokeless broiler; two utensil drawers; overhead light; standard Magic Chef features; finishes, all ivory and all white, and ivory and green.

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For Speed, Safety, Comfort, Cleanliness, Convenience

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TO MODERNIZE YOUR KITCHEN . . START WITH THE GAS RANGE

LOOK FOR THE RED WHEEL WHEN YOU BUY A

Magic Chef

AMERICAN STOVE COMPANY

YOUR HOME
IS YOUR

Castle . . .

. . . DON'T LET "CHEAP" PAINT
MAKE IT A

Shanty

IN THE eyes of the law your house is your castle. In your own eyes it's a castle, too ...a home worthy of the best protection you can give it.

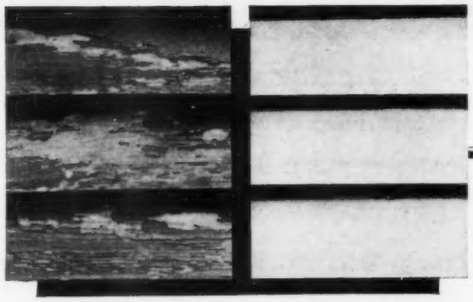
What a pity then to let "cheap" paint spoil it. For "cheap" paint quickly cracks and scales away in spots, not only ruining the appearance of your home but exposing it to the ravages of the weather.

Moreover, it's really the most expensive. When you come to repaint, you find you haven't saved money at all. For the remains of the "cheap" paint job must be burned and scraped off down to the bare wood . . . a heavy extra expense that more than wipes out what you thought you saved. Also, before the customary repaint coats are applied a new priming coat is needed, and that's another extra expense.

What a difference when you paint with Dutch Boy!

Here's a paint that does not crack and scale. It resists the weather . . . wears down stubbornly by gradual chalking which leaves a smooth, unbroken surface, an ideal foundation for new paint.

The experienced painter recommends Dutch Boy White-Lead because its durability always backs up his reputation, and because he can mix it to suit the requirements of your job and tint it to the exact color you specify. No one knows paint like a painter.



"CHEAP" PAINT
after 1¼ years

Cost $110. Now the paint must be burned and scraped off at $60 more. Total, $170, or $113 per year. And on top of all that there's more expense—an extra cost (a new priming coat) will be needed in repainting.

DUTCH BOY
after 4 years

Located in the same community as the "cheap" paint job. Cost $120, or $30 per year to date, which will be still less as time goes on. No burning and scraping, no new priming coat will be needed at repaint time.

Dutch Boy White Lead

GOOD PAINT'S OTHER NAME

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NATIONAL LEAD COMPANY
Department 236
(See list of branches above)

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Street_____

City_____ State_____

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NOW YOU CAN HAVE ONE...EASILY

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The Westinghouse Kitchen Planning Department will design such a kitchen for your home, arranging it scientifically to save all extra steps and motions. The layout will include the modern appliances you now have, plus the equipment you will want for a *completely* modernized kitchen. A friendly budgeting plan makes it surprisingly easy to obtain all this beauty and convenience on a simple step-by-step plan.

In celebration of its Golden Jubilee year, Westinghouse brings to America's kitchens the most modern, beautifully styled electric appliances you have ever seen. The line is headed by the Westinghouse Golden Jubilee Refrigerator that sets a new standard of refrigerator value . . . the sensational Golden Jubilee Ranges with their new "Economizer" speed units that cut electric cooking costs 18% . . . and a complete line of great Golden Jubilee appliances for every home need.

On the next page is shown a beautiful 7-color portfolio that tells the whole entrancing story. On its 24 big pages are "before" and "after" pictures of kitchens, showing what *you* can accomplish, economically. Mail coupon with 10c to cover partial cost. Portfolio will be sent you at once.

WESTINGHOUSE 1886 W 1936 GOLDEN JUBILEE

Every house needs

Westinghouse

SEE WHAT A FEW PENNIES' WORTH OF ELECTRICITY NOW BUYS

• Westinghouse appliances are remarkable for electrical economy. The electricity costs given below are national averages.

• ELECTRIC DISHWASHER. 1c washes a day's dishes, glassware and silver—cleaner and more safely than by hand. Adds usable counter space; sliding racks fill from front.

• SPINNER WASHER. Washes and dries for the line 4 sheets, 4 pillow cases, 15 shirts, 6 bath towels, 2 tablecloths, 8 napkins (24 lbs.) for less than 2c. Uses gentle, *cushioned* washing action.

• PULL-OUT TABLE IRONER. 6c worth of electricity irons all the above, speedily, while you sit in a comfortable chair merely guiding the pieces.

• VACUUM CLEANER. Westinghouse combines remarkable gentleness and super-cleaning power. Vacuums five 9 ft. x 12 ft. rugs *fast*, for 4c.

• ELECTRIC RANGE. This menu for a family of six: Browned chicken and gravy, mashed potatoes, string beans, steamed pudding — uses only 4½c worth of electricity. Westinghouse Ranges have "Economizer" units, cutting electric cooking costs 18%!

• REFRIGERATOR. 4c to 6c a day keeps food in perfect condition, and makes frozen desserts. Mechanism hermetically-sealed in steel; never needs oiling. Fast freezing Eject-o-Cube Ice Tray; 5-year Protection Plan.

• ADJUST-O-MATIC ROASTER. Roasts meat, with potatoes and string beans for a family of six — while you're away, for 3½c.

• STREAMLINE IRON. 3½c an hour. Last word in irons; high speed, lightweight, fatigue-proof.

• ELECTRIC PERCOLATOR. Makes 9 cups of delicious coffee for only 1c.

• ELECTRO-SPEED CASSEROLE. Cooks a meat and vegetable meal for only 1¾c.

• ELECTRIC WARMING PAD. Gives 5 hours of soothing, comforting warmth for 1c.

Mail this coupon . . . for free literature giving *full* information on appliances you are interested in. For the 24-page color kitchen portfolio, send 10c with coupon.

WESTINGHOUSE ELECTRIC & MANUFACTURING CO.
MANSFIELD, OHIO

☐ Send FREE literature on _____

☐ Enclosed is 10c. Send 24-page color kitchen portfolio.

Name _____

Address _____ City _____

The beautiful Inness canvas at the right, in exact color reproductions and framed in good taste, costs only fifteen dollars in the 19½x29″ size, five dollars in the 9½ x 13¾″ size. The Rockwell Kent below, 19½x25″, also framed, costs fifteen dollars

Reproduced through courtesy The Art Institute of Chicago

ONLY THE WORLD'S *great* ART IS GOOD ENOUGH for your home walls!

On this page:

Vermeer's "Young Woman with a Water Jug." A color print, size thirteen by eleven and a half inches costs but one dollar at the Metropolitan Museum of Art in New York

On opposite page:

Across the top of the opposite page we show Memling's Madonna and Child and one of the most charming scenes ever done by the great Claude Monet—"Argenteuil-sur-Seine." Enjoy the originals at the Chicago Institute of Art—then buy a fine reproduction and bring it home to enjoy

Can't you imagine how lovely George Inness' "The Home of the Heron" shown in center, would look against a mellow pine overmantel, or how comfortably it would harmonize with English furniture?

Not to be out-talked by moderns, who feel that only bare walls are appropriate settings, we show the two smart paintings at the bottom of the opposite page, Rockwell Kent's "Mount Equinox; Winter" and Rousseau's "La Cascade." Modern technique and modern color combinations—perfect keystones for a modern setting

GENEVA HAYDEN

WHEN modern design came into vogue there was, apparently, no place in our homes for pictures as wall decoration. They were simply cast out, excepting only the private collection of the connoisseur. Many interior decorators featured plain, paneled walls, a return of pictorial papers, and an increased use of mirrors and hanging fabrics. Granting that these may be desirable in many places, after all, hasn't the punishment of "no pictures" about served its purpose? And, did we not concede too much to those decorators who suggested that empty walls would be altogether satisfying when once we became used to them?

It is true, there did seem always to be an enlarged photograph of father and the boys camping, a calendar with mottoes for moral uplift and, it may as well be confessed, the heavily framed dining room fish, gazing in sad uncertainty, between lovely, old silver candelabra. Undoubtedly, we have passed through a wholesome experience in removing these pictures from our walls, but, chastened, why not now replace them with some of the particularly good original works and reproductions which are easily available?

America, and her museums and collectors, have incurred the wrath of all Europe for purchasing, and bringing to this country what they consider more than our share of the world's great art. Unostentatiously and quietly, great connossieurs are bequeathing the work and treasures of a lifetime to our museums. Now if Europe should become furious at the American public's indifference and lack of appreciation of their heritage, that we could well understand. For it is a sad, but true statement, that most Americans avoid their museums like the plague, and go into them any time of the day and you will find few but students enjoying them, or using them.

But, you say, you do not enjoy museums? Very well, then, do not ever go beyond the counter just inside their entrance doors, but *go* to that counter. You will find there beautiful, true reproductions of the world's great art, tastefully framed, and for far less than cheap, bad chromos in your department store. Museums too have wares to sell, beyond free access to culture and educational courses. They have the most needed merchandise for American homes—they have great art to hang on your home walls. Few can have the originals, and few can trust their own judgment and knowledge of art to collect new artists when they are still unknown and therefore inexpensive. But *all* may have world masterpieces, in fine reproduction. What though museums do bore you—use their first floor counters as you would use a department store. Go there *first* when you need a picture, and you will keep on going back—eventually, I hope, going beyond that counter!

For instance, the Metropolitan Museum of Art in New York, offers to the public reproductions of famous paintings. The prices are low—a Winslow Homer "Palm Tree, Nassau" for five dollars, and a colorprint of Vermeer's "Young Woman with a Water Jug" for one dollar. As a brilliant bit of wall decoration there is the "Riding Horse and Runner," Indian, Mughal School, 1556-1605, for five dollars. "The Nativity," by Fra Angelico, is reproduced for one dollar.

The Boston Museum of Fine Arts is selling six color reproductions of Japanese prints by Kiyonaga, mounted, for two dollars each. You can buy there a reproduced pastel by Laura Coombs Hills, "Larkspur, Peonies and Canterbury Bells," for two dollars. The Public Library at Boston, sells reproductions of their famous Abbey and Sargent murals.

At The Chicago Art Institute one outstanding offering is Carl Wendt's "Silence of the Night" reproduced in a large size for twelve dollars. It is so lovely that an entire room might well be built around it as a focal point, and with no apology that it is a reproduction. A few of the many other lovely things you'll find in this museum are shown in color on our frontispiece. They were purposely all selected from one museum to convince you of the great variety to be found in any single one of them—pictures for every kind of house, for every room, every taste, and every purse.

Then, there are very desirable prints put on the market by American, Italian, English, French, and German houses. The names of these firms can be obtained, as a rule, from Art Museums and the Art Departments of large Public Libraries, and these prints are sold by dealers all over the world. The Congressional Library at Washington, has placed on one of

For a young girl's room we suggest "A Rainy Day" by Frank Benson, N. A. In soft dull blues and whites, it is a picture any but the most modern young lady would like to have in her own room

its swinging portfolios a representative collection of the output of one well-known firm. This firm now states in its catalog: "The publishing of reproductions is extended into the realms of first class modern art. The constant endeavor is to prove that good modern pictures, when adequately reproduced, will find a ready welcome in the homes of discriminating people." Copies of Raeburn, Romney, and Gainsborough portraits are available. Raphael is reproduced in splendid, true colors. There are marines by Whistlers, Turner, Homer, Ahl, and others.

It should be said that good reproductions are usually achieved by means of exclusive processes which beautifully carry over the impression of the originals, and should in no way be confused with colored photographs. The late Mr. Robert W. deForest, a past president of The Metropolitan Museum of Art, in referring to a certain exhibition of reproductions, said: "It seems clear to me that it is not enough that our people have the privilege of visiting art galleries where they may see original paintings occasionally, but they should have an opportunity to have good copies of the things they like best to live with every day."

Awaiting your request are catalogs and pamphlets sent out by some of the Museums and by many of the private firms throughout the country. Some of these are free and for some there are charges of from twenty-five cents to a dollar or so. The Metropolitan Museum of Art, New

Winslow Homer's "Palm Tree, Nassau" may be had in beautiful reproduction, size eighteen by twelve and a half inches, for five dollars. A living American artist who has earned great fame, Grant Wood, has painted "American Gothic" out of his knowledge of his own mid-western country, and proves that Americana, for early American homes, can be as charmingly atmospheric in this year of grace as were Currier and Ives

Isn't this a lovely day? Seurat caught all the charm of a sunny Sunday afternoon in his "Sunday on the Island of the Grande Jatte." It would be perfect in a guest room where personal furnishings are necessarily sparse and consequently bear that unlived-in atmosphere

The Boston Museum is selling six color reproductions of Japanese prints by Kiyonga, mounted, for two dollars each. Mount them with mats of pongee, flat gilt frames for a modern room

York, issues a free pamphlet giving colorprints sold by them, with sizes and prices. Listed also is an interesting group of portfolio series of reproductions, to be purchased in series or in single prints. The Chicago Art Institute mails a free pamphlet, giving prices of certain of their reproductions both unframed and framed. The Museum of Fine Arts, Boston, also sends free, on request, their price list of color reproductions. One private firm will send reproductions on approval after correspondence which they feel to be satisfactory. Prices are stated in their catalog.

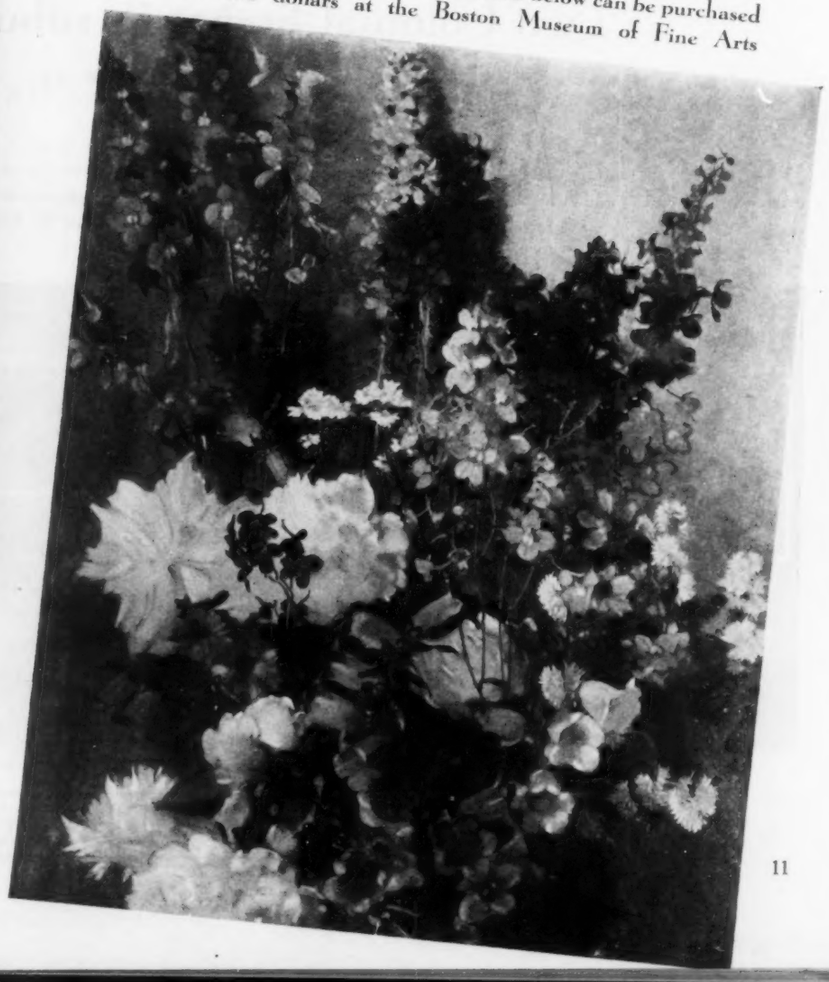
Of course, originals by known artists, are beyond the average purse, but this is not true of many of the works of our contemporary artists. A quick delight in some of their things is sure to follow a few visits to the various galleries and studios. For one, The Printmakers Guild, of New York, sells, at very low prices, original etchings and lithographs by well-known artists.

Sometimes prices of works being shown in art exhibitions are mentioned in the newspapers. One notice recently stated "prices from ten to one hundred dollars." A large gallery in New York has opened a Department of Contemporary American Art, also Crafts, "prices five dollars and upwards." More often prices are listed in the catalogs which may be purchased at the galleries. There are always exhibitions on in the large cities during the winter, and at many resorts and artists' colonies in summer, where good things are sold at such low prices that one has a twinge of conscience in carrying them away. Notices of these exhibitions, with names of galleries and studios, usually appear in the art sections of the Sunday newspapers.

And so, for those of us who do agree that a virgin wall should be taken seriously, and with this wealth to choose from, the acquiring of pictures should be safe and a happy adventure.

A lovely pastel by Laura Coombs Hills, "Larkspur, Peonies and Canterbury Bells" reproduced below can be purchased for two dollars at the Boston Museum of Fine Arts

And here is something for your Early American or peasant room, "Madame Roulin" by van Gogh, in greens and red. A truly virile bit of color



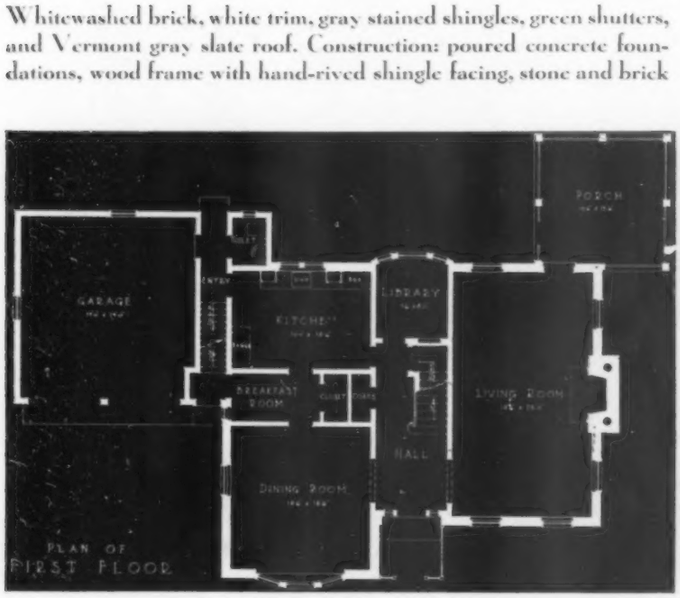
Ye Little Photo Shoppe, Inc.

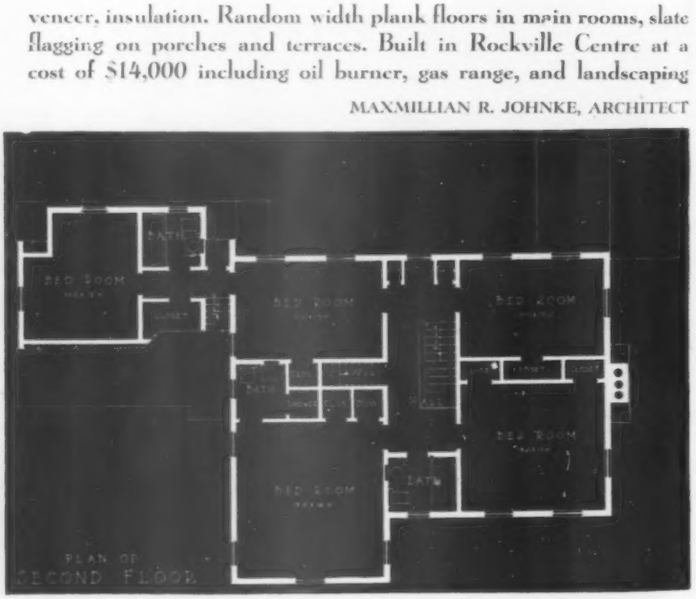
Two Colonial homes in suburban New York

I. *The Long Island home of Mr. Monteath Dayton*

Whitewashed brick, white trim, gray stained shingles, green shutters, and Vermont gray slate roof. Construction: poured concrete foundations, wood frame with hand-rived shingle facing, stone and brick veneer, insulation. Random width plank floors in main rooms, slate flagging on porches and terraces. Built in Rockville Centre at a cost of $14,000 including oil burner, gas range, and landscaping

MAXMILLIAN R. JOHNKE, ARCHITECT





Gustav Anderson

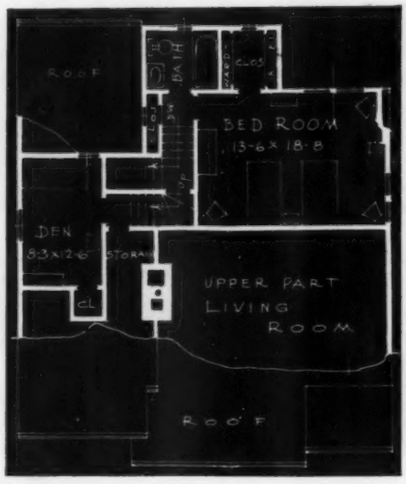
II. *The Westchester Home of Mr. Louis Gailer*

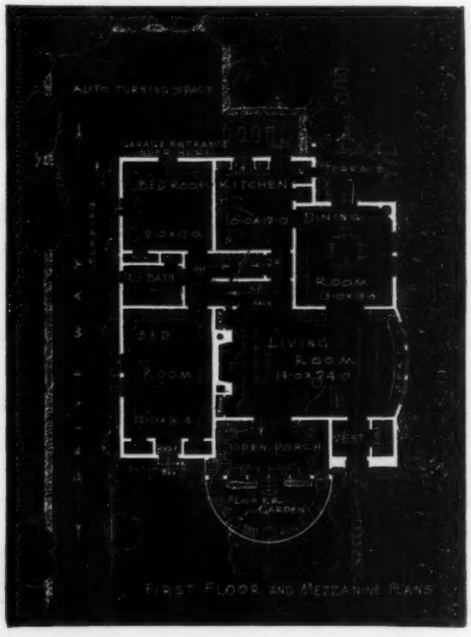
G. G. VIGOUROUX
ARCHITECT

THIS house is located at Mamaroneck, N. Y., overlooking Long Island Sound.

The exterior is based on some of the best available Provincetown, Mass., examples of this type of home in which the outstanding feature is the long, low roofline intended to ward off the effect of windstorms frequently experienced in the sand dunes section of Massachusetts. The roof is of slate with shingle walls painted white and blue colored shutters. The entrance has been emphasized by treating it in stone so as to vary the texture of white as against the other white materials employed. A ship's lantern adorns one side of the entrance, while the chimney top is decorated by the ship's anchor. A small wood white picket fence was introduced to enclose and protect the flower garden as well as adding Colonial atmosphere to the whole.

A huge old-fashioned fireplace of brick painted white goes up to the ceiling of the studio living room and is ornamented by a simple wood shelf with bookshelves on either side. The ceiling is formed by the under side of roof beams left natural, of which the high point is at the center of room. Under the mezzanine floor bedroom level is located the two-car garage entered from the rear where grade slopes downward. Cost approximately $8,500.



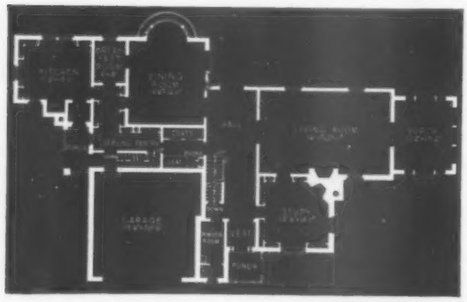


ARCHITECTURAL PORTFOLIO " No. 19

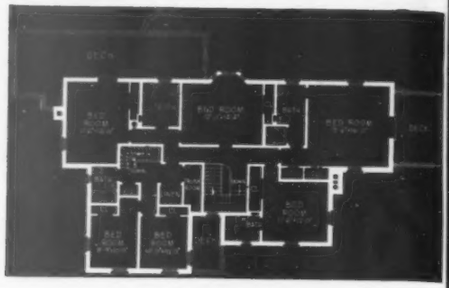
MODERN in Winnetka, Illinois

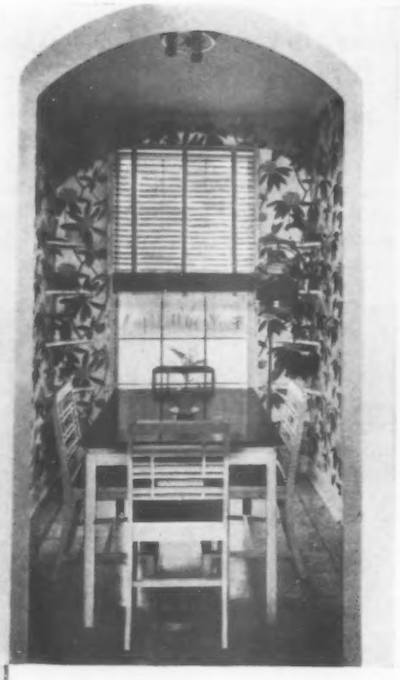
The home of Mr. and Mrs. C. S. McCoy

Simplicity in line that lacks severity too often seen in houses of modern design



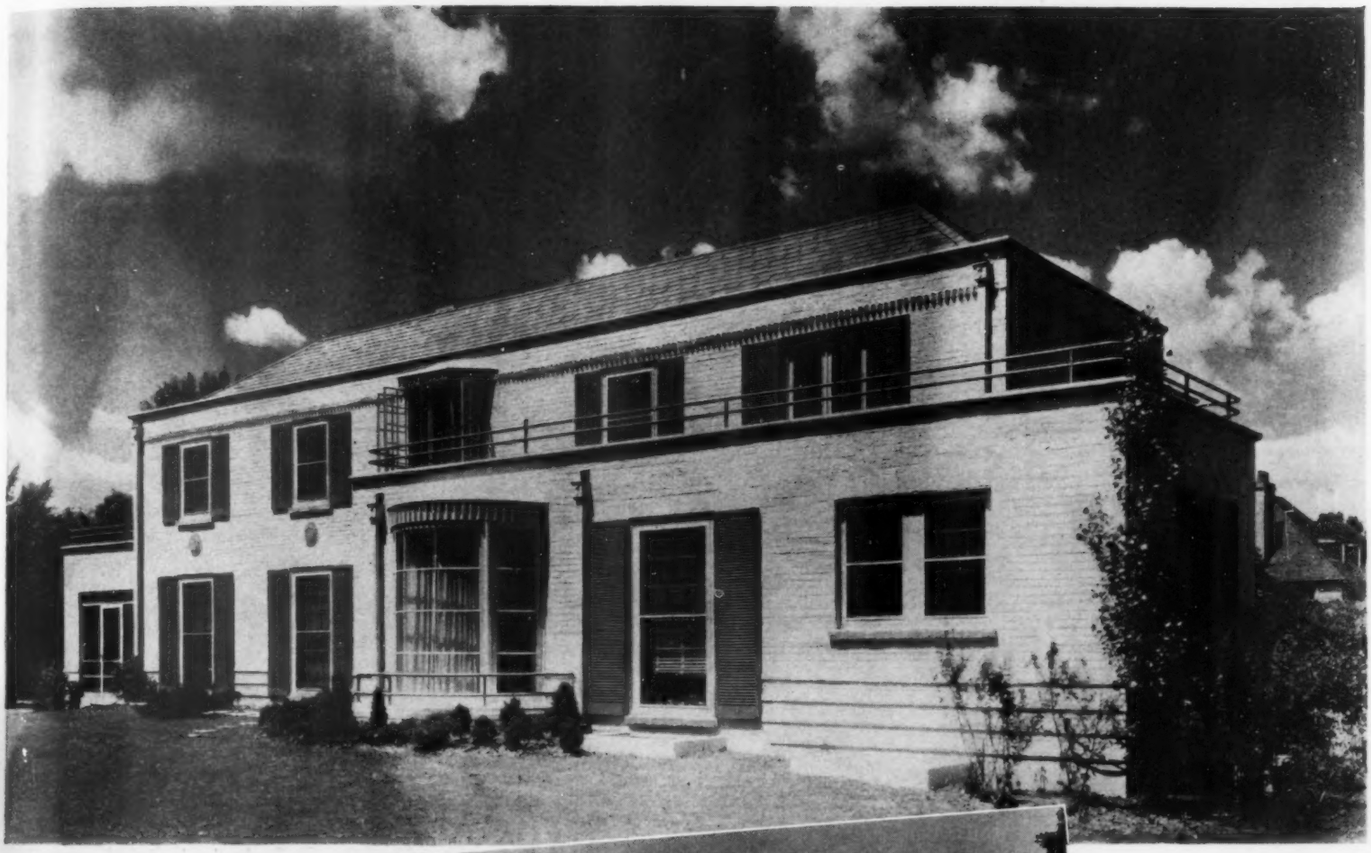
S. S. BEMAN
ARCHITECT





The entrance detail at top of page, is most interesting in that it treats modern materials with a grace that is not usually found in modern details

Every inch of floor space has been put to use, with provision made even for trunks and, of course, a first floor dressing room



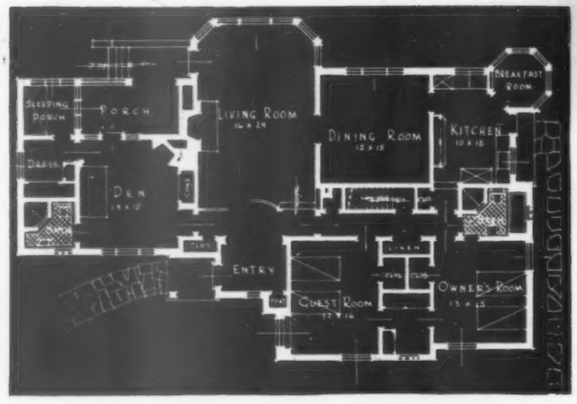
PHOTOGRAPHS
BY
JESSIE TARBOX BEALS

We consider this one of the most attractive modern houses to come our way, a house which intelligently uses the best in modern design without startling all who come upon it or offensive to its neighbors. Many windows and sun decks make use of what we have learned about the health giving qualities of sunshine. Its lines are simple, without being stark or gaunt. It follows the contour of its setting, instead of fighting it, as so many modern houses do. Its interiors are modern in feeling, yet livable, an effect achieved through the use of bold wallpapers in rather modern designs with large areas of plain surfaces used with them

ARCHITECTURAL PORTFOLIO — No. 19

MEDITERRANEAN STYLE in Seattle, Wash.

The home of Mr. and Mrs. William F. Coleman



WM. J. BAIN, ARCHITECT

NEITHER the photographs here, nor the drawing on our cover, convey a full idea of the charm of this low, rambling house. For, aside from its pleasing architectural lines, it is the careful thought given to details that make this house so charming. Window grilles, wrought-iron touches, the use of blue against white-washed brick, a beautifully velvety lawn and careful gradations of greens in its planting—these all contribute a large share. For, like the English, this is a style too often badly done.

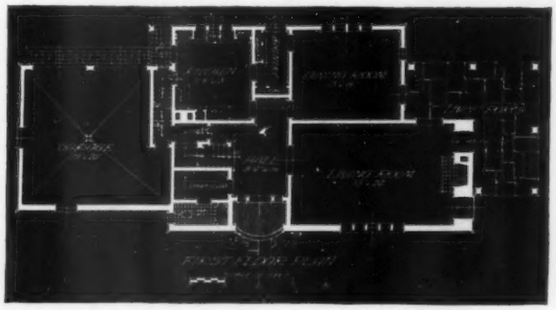
English half-timbered in New Jersey

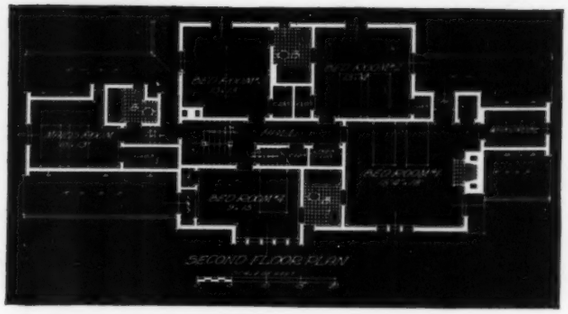
The home of Mr. Kenneth S. Neale

R. C. HUNTER, ARCHITECT

Adolph Studley, Jr.

Of the many kinds of bastard architecture in America, the English half-timbered is more often badly done than any other type. Our large country estates, in English architecture, are invariably good. Our real estate developers' ideas of a small English house are ninety per cent atrocious. That they can be done well in miniature is proven here





~and these you buy READY MADE

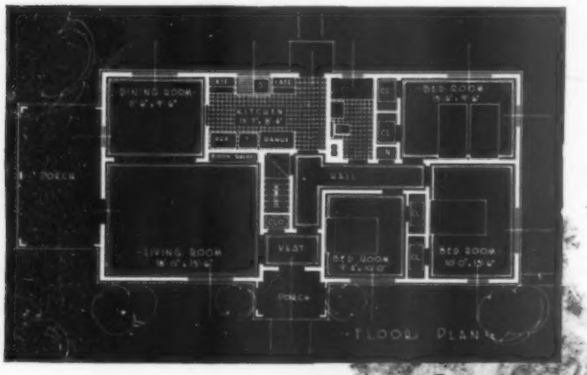
CARL C. HERTER

IT HAS often been said, and with some justification, that the building industry is the most backward of all American industries. Economies are earnestly desired and needed in home construction, but so long as houses are custom made, the American public has a choice of "jerry-built" houses or going without a home until they can afford a really good one. Mass production is required for lower costs, whether it be an automobile, a mechanical refrigerator, or a house. What the building industry needs is another Henry Ford, with the same faith and courage and capital, and Ford methods.

A greater use of prefabricated units will reduce the need of costly field labor, for now each house is a different problem, each house really custom made on the job. Mass production of these prefabricated units will bring about further economies, but just how fast the public will take to this type of construction depends in large measure on the appearance and designs possible to obtain with prefabricated units. European people, of modest means, are far more efficiently and comfortably housed than Americans with the same incomes. But Americans refuse to be "housed." They want homes—not an efficient cubicle in a long row of other efficient cubicles. And therein lies the difficulty, for it throws us back again to the individual custom-made house.

However, though we commend this deep-seated feeling for a home that is one's own, that expresses one's own individuality, certainly a prefabricated house of even mediocre design is to be preferred to the atrocious so-called traditional architecture which speculative builders

For those who have always thought of prefabricated houses as modernistic horrors, we present this little white cottage. Forty years ago E. F. Hodgson conceived the idea of a house that could be shipped anywhere, erected by anyone in a few hours' time—and simply bolted together. He is still shipping ready-made houses—and still sticking to the Colonial types. There is a choice of two floor plans with this house



This steel house should be erected for not more than $3,000. The material cost is $1,600 including garage. Steel buildings, Inc., sell all the materials, excluding masonry, and you negotiate its construction through their dealers or your own contractor

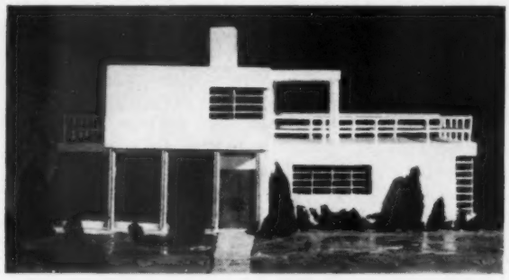
have forced upon those who do not feel they can afford an architect. No housing project in Germany is as depressing as our own "developments" of row upon row of ugly houses which their builders fondly believe to be English or Spanish—and sell for traditional architecture. But, aside from the appearance of these speculator-built houses, there is the even more important factor of value, and the certainty that no "jerry-built" house is cheap, no matter how little one pays for them.

Prefabrication does not necessarily mean that all houses have to be of the same type, size and appearance. On the contrary, any number of designs can be worked out so that each house will express its owner's individuality. Opportunities are plentiful with these new forms of materials and new methods of using them. They are attractive, strongly built and are a readily adaptive type of construction. Houses can be built entirely of prefabricated materials or units, or of regular construction with as many prefabricated units as desired. In the prefabricated house efforts are made to dispense with as much material and labor as possible, consistant with the American standard of living. Basements are practically eliminated. Excavation is reduced to a minimum. Fire resisting materials are used throughout. Door and window frames come completely assembled with doors, windows, screens, and weatherstripping ready to set into place. Wallboard, plywood panels, Celotex, gypsum, and other synthetic materials are used. Precast concrete in various forms is coming into its own. Modern insulation materials are to the fore—they reduce fuel costs. Light-weight steel sections, copper and various sheet metals are used.

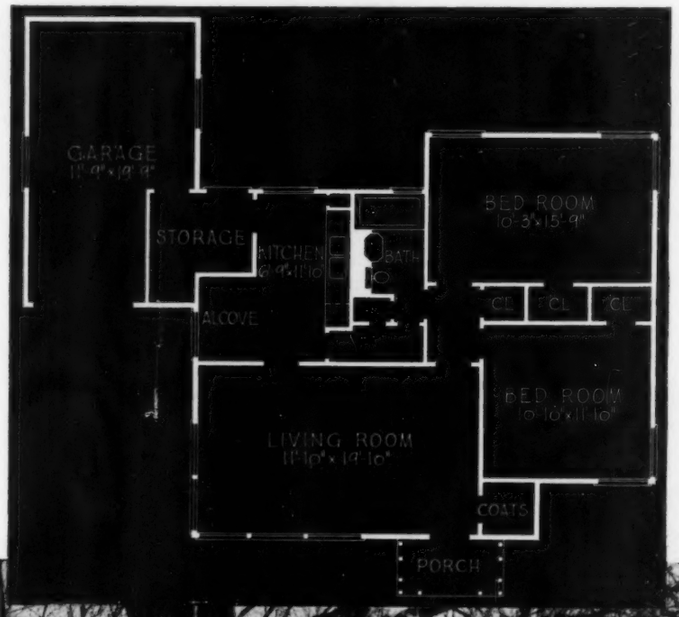
There can be no doubt that the advantage of speedy erection, fire resisting construction and durability together with insulating qualities, low maintenance, and modern equipment, tend to make this type of construction one which merits serious consideration. No house too small and none too large that cannot be treated with these modern materials and efficient methods of construction.

It is important to ascertain if the build

[*Please turn to page*



This copper house is now being built in Virginia, just outside Washington, D. C. Rooms can be rearranged like those in office buildings, since the partitions carry no load. Copper Houses, Inc.



The livable prefabricated house below was built by American Houses, Inc. at Gladwyne, Pa. Its floor plan, low cost, and appearance make it well worth consideration

Temperature 70° ~ ALWAYS

WILLIAM R. NORTHLICH

We who will join the builders of the next few years have a vast selection of materials before us. Unlike previous generations of builders who had only materials which their fathers and their fathers' fathers had used before them, we have not only the choice of architecture in traditional or modern style, but, in addition, we have a host of new materials with which to build our homes. We may take advantage of color as previous builders never could. We may build with glass and concrete and steel. We may have every electrical convenience that has come forward since the last building boom. We can use our basements for recreational or living purposes because modern heating equipment occupies less space. And we may control the temperature inside our homes, independent of weather. Such a house is a joy to own—and most certainly a joy to occupy.

There are still many people who would define the word insulation as "the wrapping around an electric wire to prevent shock." But to the homebuilder or the man who will build some day, insulation is a commodity that will keep his new home modern for many years to come, or make it obsolete the day he first turns the key in the lock. Let's take this thing called insulation apart and find out why it is of so much importance.

In the early days, men built thick walls—so thick that the small amount of heat supplied by their feeble heating plants could hardly escape rapidly. As civilization advanced, as its frontiers and cities grew, cheaper and faster methods of construction made their bow to public use. The thick walls disappeared, never to return. Thin walls and roofs couldn't keep heat inside so wood-burning stoves developed into hot-air furnaces heated with coal. Methods of heating rapidly became more efficient, while methods of construction stood still. The cost of heating increased with better fuel and better equipment.

Why not build our modern homes with thick walls? Wouldn't that solve high heating costs? Of course it would—but buildings with the kind of walls that we find in the relics of medieval days would cost far more by the scale of 1936 labor than the modern owner is willing or able to spend in construction. He refuses to be without tile baths and kitchens, electrical equipment, fireplaces, and many other modern conveniences. Besides, he wants his heating plant to take care of itself—and stokers and thermostats cost more than shovels for coal and saws for wood. For cost's sake, then, we must build thin walls; but for convenience, we demand modern heating devices. Our problem is to make our convenient heat cost less in our thin-walled buildings.

The first duty of house insulation is to control heat. Insulation's primary function is to keep heat inside, keep the building warm at all times during the cold season. In summer, insulation must perform the reverse: keep heat outside so that living quarters may remain cool and restful. In thin walls made of materials selected for their strength and rigidity, there is little ability to conserve heat generated by modern heating equipment, nor are those materials able to withstand the attacks of strong sun rays in the summer. Yet heat must be controlled during both of these seasons if a building is to be comfortable and livable.

In proper house insulation we find the one way to be sure about comfort the year 'round. In properly insulated homes, heating plants may be smaller, and, of course, are less costly to operate. Insulation reduces drafts. It cuts down air infiltration and makes it safe for little children to play with their toys on the floor without the danger of taking cold. Insulation makes it possible to keep temperatures even all the year 'round. 70° is the accepted temperature at which we can live in the greatest comfort, and only in the insulated building have we any chance of maintaining an average year 'round temperature of 70°.

New buildings just aren't modern unless they are properly insulated. There is no need to discuss the methods by which a new building can be correctly insulated. Any architect, builder, or lumber dealer can tell you; so can every good carpenter or contractor. Insulation is as necessary as electric wiring, sewage, and plumbing *if* you want a modern, comfortable home which will maintain its value in the years ahead of it.

In years to come there will be few homes—fewer office buildings and working places—which are not equipped with some kind of air conditioning. Insulation, making the control of heat possible to begin with, is really the first step in air conditioning. That is why it is so important to insulate properly new houses and to be prepared for air conditioning, whether it is installed now or later. For your new house it is only sound common sense to figure correct insulation into your budget for to omit insulation is to detract from the livability and resale value of your home, for who will buy an uninsulated house in 1945?

Old houses are not really old, they are just out-of-date. Unlike clothes, or shoes or automobiles, they are not worn out because they have been in use for several years. Nearly always their frames are strong and sound, waiting only for modernization. Remodeling, with correct planning, can be done at low cost. It pays, in pride of ownership if you continue to live in the house, but particularly in increased value and in the protection of the original money investment.

Insulation should always be installed in the attic of an old house. Side wall insulation is optional, but attic insulation is essential. Because warm air rises, attic or roof insulation stops the greatest amount of heat leakage. Attic insulation seldom fails to pay for itself within three years and sometimes sooner.

One other point needs mention in any insulation discussion. Because a considerable amount of heat is lost during cold weather through glass in doors and windows and through cracks around them, the owner who wants to gain the greatest possible amount of comfort will weatherstrip all doors and windows. Weatherstripping *plus* insulation is a sound practice—for, while insulation greatly reduces the loss of heat through walls or roof or both, it cannot prevent heat from escaping through cracks around loosely fitting doors and windows. In areas where winter temperatures go below zero frequently, one further precaution may be taken. Storm doors and windows should be installed on sides of house facing direction of prevailing winter winds. The modern types are good looking and provide plenty of ventilation.

Selecting a material for the insulation of a home or any other building is like selecting a modern automobile. Several types will provide lasting efficiency and most have certain points of superiority. It is well, however, to be sure that the insulation you select is permanent. Poor insulation, or insulation that is not properly applied, is little better than none at all and a waste of money.

First and most widely used is what is known as "board" form insulation. This type has structural strength and is usually employed in place of some familiar structural material, which in itself, has no efficient insulating value. There is insulating lath over which plaster is applied. There is insulating sheathing which is used in place of wood sheathing. It is said that board form insulation used in this manner has greater structural bracing strength than horizontal wood sheathing. Other uses for board insulation are as interior finish to take the place of lath and plaster. When used in this fashion, insulation board may be carved and grooved or painted and stenciled. Some manufacturers have designed units of various shapes to be used without further decoration. They are applied to walls and ceilings instead of lath and plaster, or over old plaster in existing buildings. The natural color and texture of these products make interesting surfaces—and their cost is quite low.

The second form of insulation with which builders should familiarize themselves is the flexible type which is fastened between studding in walls and ceilings. The flexible type has certain qualities which are not found in other types. Several thicknesses make it possible to use just the amount your climate requires. Besides providing a high degree of insulating efficiency, it is fire resistant and is protected from moisture and wind by a covering or lining secured to its insulating "mat" with water-proof asphalt. It is fastened in place with nails and lath strips, a feature that adds to its permanence.

The third class of insulation is known as "fill-type." There are a number of fill-type products made of a variety of materials. Best known is rock or mineral wool which may be

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A flower pattern from the world of composites. Photographed by W. F. Winter

A panel of pansies photographed by W. F. Winter

Clarence Sinclair Bull

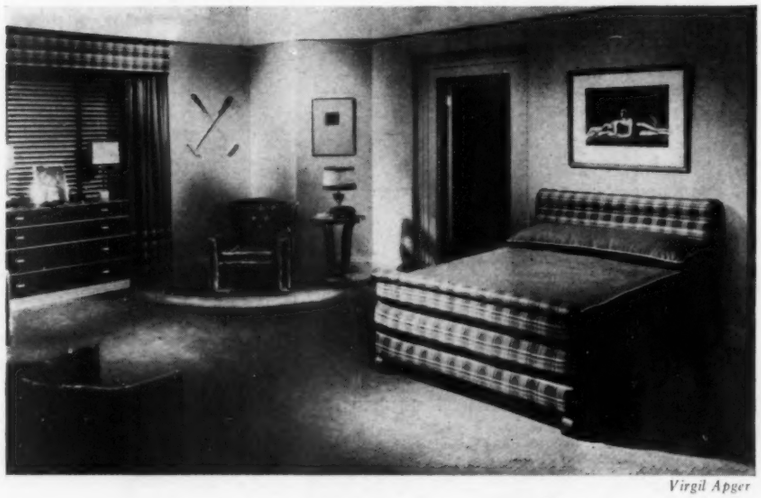
CHECKS and PLAIDS

RICHARD PEFFERLE

IT WOULD be hard indeed to find two more likeable materials than checked gingham and plaid chintz and, luckily enough, they are available in almost every community. Luckily because you can achieve such liveable and fresh effects—schemes that even the most jaded can relish. Hollywood gives us some original ideas of using these old favorites in decoration.

We don't know exactly how early plaids came into existence, but certainly it's safe to guess they were born along with all the good highlanders of Scotland. In that land of Harry Lauder there are plaids without number, all different, one design and coloring to a clan. We don't suggest exactly that you run to the nearest dusty tome and look up your particular plaid, if you're Scotch and if you happen to be recovering some chairs in plaids. But we do urge you to give those old pieces of furniture and some of the new a chance to get better acquainted; in other words, to congregate them into a pleasant scheme with the help of some new finishes, plaids and checks, and perhaps a few flowered linens or chintzes thrown in for variety. That's one excellent thing about plaids and checks—so many other patterns will go with them.

In addition to the pictures of some recent movie interiors which we'll talk of soon, let us also call to your attention other ways in which plaids and checks may



Virgil Apger

Brown and white plaid linen, tobacco brown carpet, beige walls, and white accents for a man's room. At top, the cheerful living room with an interesting use of plaid from the M-G-M picture, "Should Ladies Behave"

Tanner

Above: Another view from a living room set for "Should Ladies Behave" and, at left, red and white walls from a bedroom for the moving picture "The Age of Indiscretion." Bottom: Gay plaids in the beach house shown in "Curly Top"

be used in decoration. They are effective as mats for pictures—Godey prints, flower prints, hunting prints (use very small checks in red and white for these), black and white lithographs of bold design, silhouettes, and bird prints. A little experimenting will probably suggest as many more to you. Other possibilities might be on lampshades and wastebaskets, also for tablecloths, lining closets, small entrance halls, and screens—we even saw some window blinds of blue and white gingham in a whitewashed farmhouse interior recently and they were excellent.

Now for the rooms we illustrate. The room on the preceding page shows a French provincial sofa of characteristic design covered in red and white plaid. The back cushions are buttoned in white and edged with a small ruffle of white, the seat cushions welted in white. The front of the frame has a trim double ruffle as an amusing finish. The lampshade is of the same plaid with red and white ball fringe. The urn base is red and white enamel. The walls of this pleasing room are deal washed with white and hand waxed ever so lightly to give a faint sheen. The ship models and copper cooking utensils, the white furniture, and leafy chintzes make this room an appropriate background for good living. Another view of the same room, above, shows the gingham chairs and unusual window treatment. Note the polka dot curtains and how well the plaids blend with the chintz draperies.

The bedroom on this page shows a fresh and interesting use of plaid as wall covering in blue and white. The carpet

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American design FOR AMERICAN HOMES

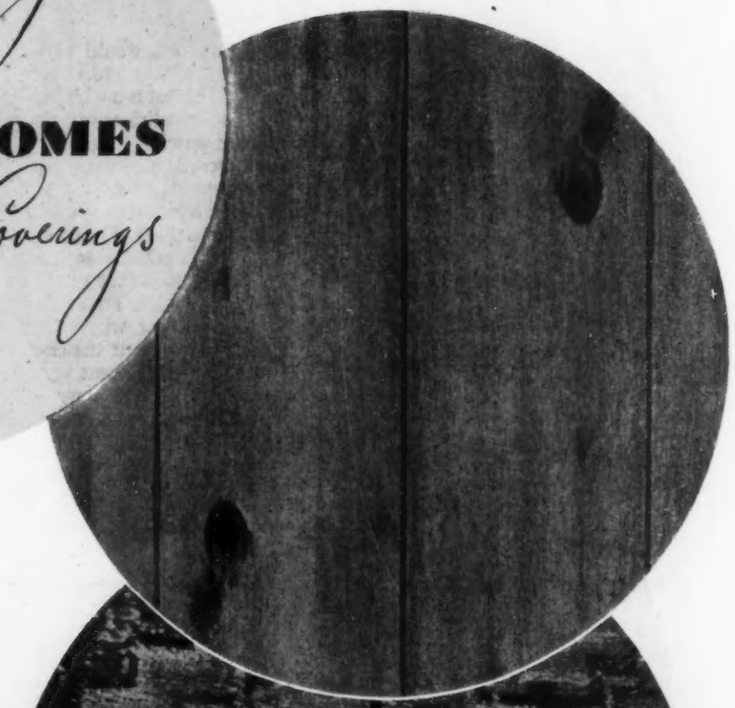
3. Floor Coverings

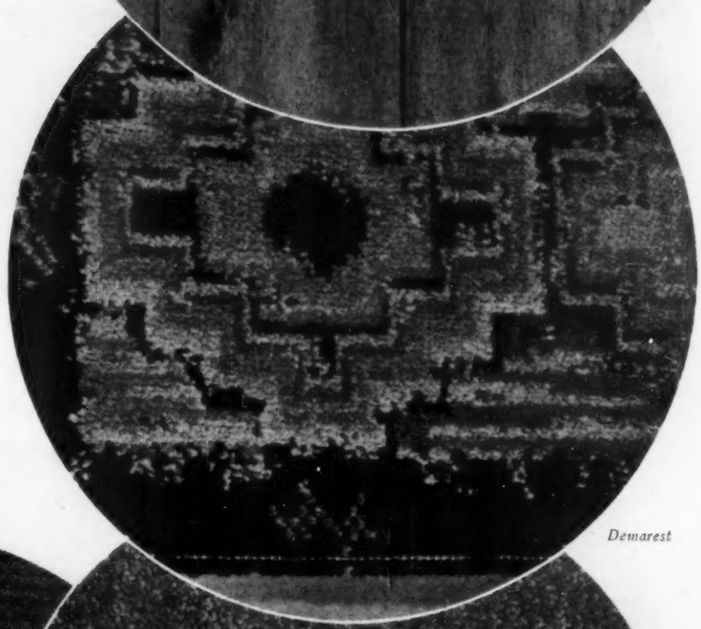
ESTHER SKAAR HANSEN

Did you ever stop to think what an everyday meaning the words "style" and "good taste" have when they are associated with clothes? When one goes to her favorite shop to buy a new dress, she expects those two words to be inherently a part of even the simplest cotton. But when they are associated with floor coverings, it comes over one like a shock that here the words are new; so new in fact that their real influence did not come into play until the last five years—the depression years—and yet are now so accepted as inherent qualities of floor coverings that it actually seems as if they had always been there.

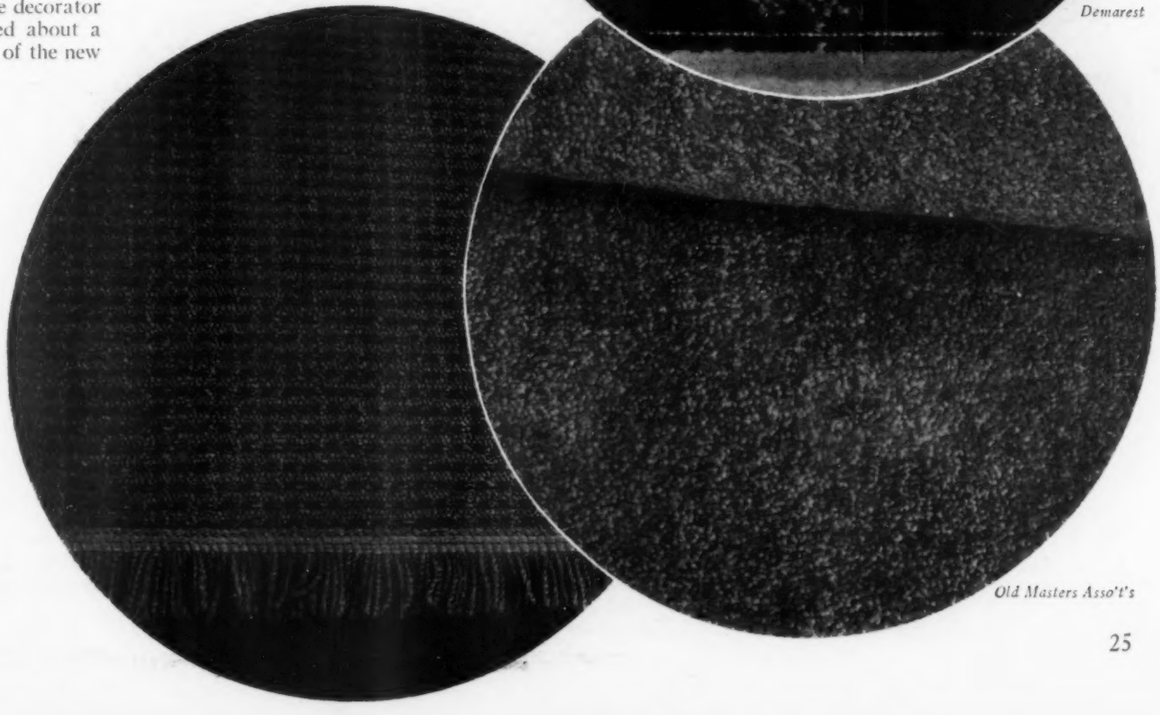
Let's look at the floor coverings scene as it existed "P.D."—pre-depression. Supposing you decided you wanted an inexpensive little rug for your living room or dining room. Your choice was immediately limited to an Axminster, a Wilton, or a velvet rug in which the patterns unfortunately were almost always just a trifle too gawdy. We all remember those. Or because Orientals, with their fine old tradition, seemed the high point in luxury, you bought a semi-antique or an antique Oriental if you could afford it, and put it into a room no matter what its character. If you wanted an Oriental and couldn't pay for an old one, you bought a reproduction and possibly did not feel as proud of it as you would have had of an old one. Plain carpeting, so generally accepted now, was a decorator idea; it had no mass acceptance, and prices were very high in most cases.

Now there is a parade of floor covering fashions such as the decorator could only have dreamed about a few years ago. It is part of the new



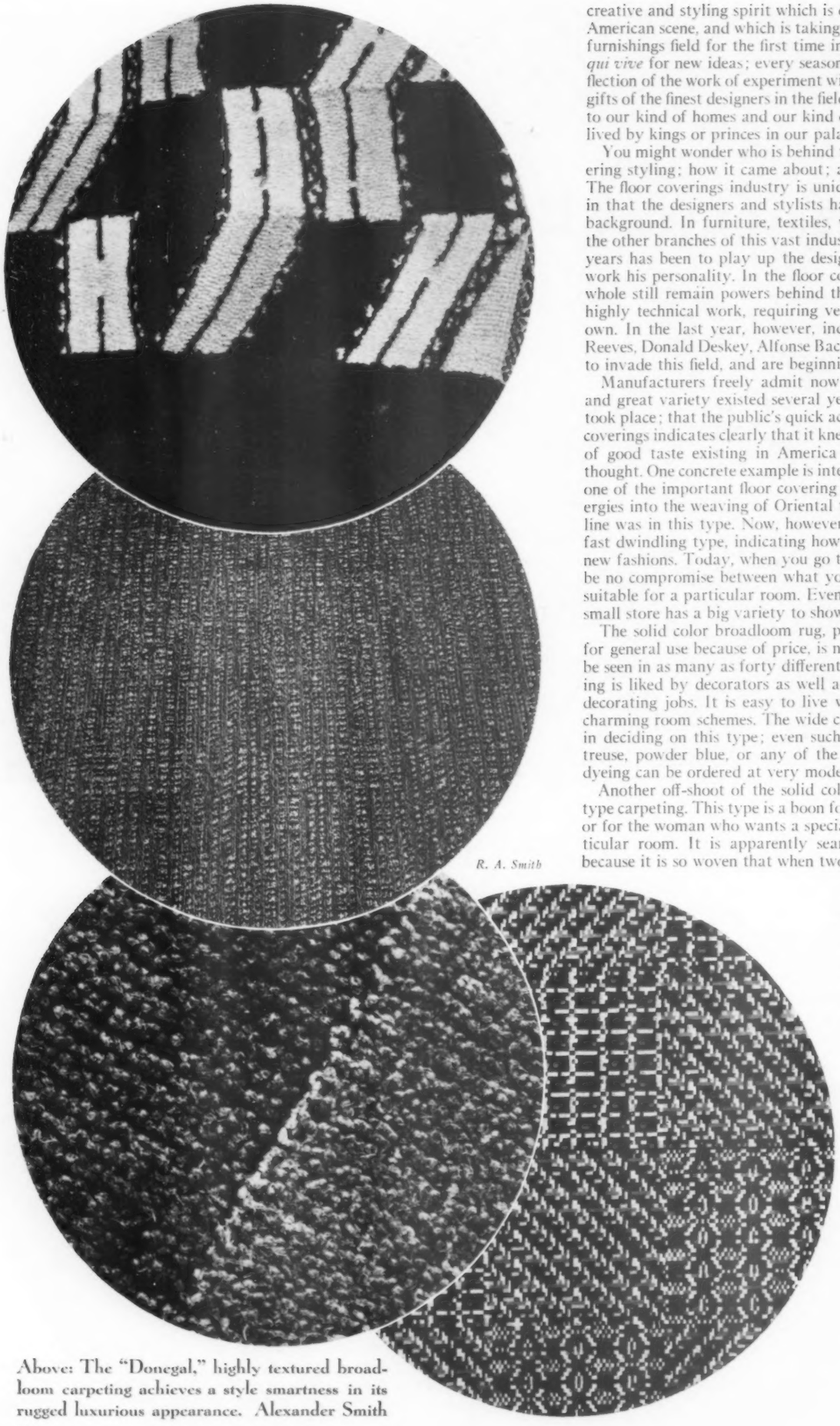


Demarest



Old Masters Asso't's

Top: Linoleum in aged pine effect from Armstrong. Next, new carpets and rugs: provincial pattern called "Log Cabin" from Firth. Third, "Caracul," a thick wooly frieze weave, W. & J. Sloane. Right: a cut and uncut pile forming a small shadow-check, also W. & J. Sloane



Above: The "Donegal," highly textured broadloom carpeting achieves a style smartness in its rugged luxurious appearance. Alexander Smith

creative and styling spirit which is only just beginning to invade the American scene, and which is taking place in every phase of the home furnishings field for the first time in our history. America is on the *qui vive* for new ideas; every season finds rugs that are a further reflection of the work of experiment with looms; of calling into play the gifts of the finest designers in the field; of adapting our floor coverings to our kind of homes and our kind of lives, not imitating a life once lived by kings or princes in our palaces.

You might wonder who is behind this great movement in floor covering styling; how it came about; and why it did not always exist. The floor coverings industry is unique in the home furnishings field in that the designers and stylists have remained consistently in the background. In furniture, textiles, wallpapers, china, glass, and all the other branches of this vast industry the tendency in the past few years has been to play up the designer's name, and weave into his work his personality. In the floor coverings field the creators on the whole still remain powers behind the throne. This is because it is a highly technical work, requiring very special design methods of its own. In the last year, however, individual designers such as Ruth Reeves, Donald Deskey, Alfonse Bach, and Lurelle Guild have started to invade this field, and are beginning to become definite influences.

Manufacturers freely admit now that the need for good styling and great variety existed several years before the actual movement took place; that the public's quick acceptance of the new type of floor coverings indicates clearly that it knew the need and that the standard of good taste existing in America was far higher than had been thought. One concrete example is interesting: Three or four years ago one of the important floor covering manufacturers put all of its energies into the weaving of Oriental type rugs. Ninety per cent of its line was in this type. Now, however, it occupies but ten per cent, a fast dwindling type, indicating how quickly the public accepted the new fashions. Today, when you go to buy floor coverings there need be no compromise between what you would really like and what is suitable for a particular room. Even the most obscure, though alert, small store has a big variety to show you.

The solid color broadloom rug, prohibitive only a few years ago for general use because of price, is now ordinarily accepted, and can be seen in as many as forty different colors. This type of floor covering is liked by decorators as well as by women in doing their own decorating jobs. It is easy to live with and to work into pleasant, charming room schemes. The wide choice in color too is a big factor in deciding on this type; even such unusual shades as white, chartreuse, powder blue, or any of the hues which once meant special dyeing can be ordered at very moderate prices.

Another off-shoot of the solid color broadloom rug is the inlaid-type carpeting. This type is a boon for the odd-sized or difficult room, or for the woman who wants a special pattern worked out for a particular room. It is apparently seamless, even with inlaid motifs, because it is so woven that when two pieces are joined together with an adhesive-type backing, the seams actually disappear on the surface of the rug. All manner of odd-sized pieces can be worked in with absolutely no visible joining. If a cigarette burns a hole in the rug, or a bottle of ink is spilled, the damaged part can be mended by having a new piece set in.

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R. A. Smith

Top: Guatemalan rug designed by Ruth Reeves, from Aird-Watson. Next, texture is achieved through the contrast between a loop pile and a soft, cut velvety one in Shetland yarns, Bigelow Weavers. Left: a new textured effect marked off in squares from Bigelow-Sanford Carpet Company

HEMEROCALLIS

~for rare rich coloring
~for long-lasting cut bloom
~for unsurpassed hardiness

THURLOW WEED

THANKS to the industrious hybridist, we now have a new race of so-called Lilies—Daylilies—which approach and in many cases surpass the beauty and fragrance of the true bulb Lily such as the Regal and the Madonna. Coupled with these attributes is the fact that Hemerocallis is the hardiest perennial on the garden list at the present time.

Varying sizes of blossom, seasons of bloom, and flower shades of tawny red, pink, apricot, salmon, orange, yellow, buff, citron, gold, and cream are now available. A selected group of varieties will produce bloom from the beginning of May all through summer and into early fall; a time when the garden is, otherwise, very much at a standstill.

These plants are excellent for naturalizing, especially along streams or banks of lily ponds or other rather moist shady places. The plants will thrive in the border if given an occasional watering during dry months. Enthusiastic admirers have christened Hermerocallis "The Perennial Supreme." For hardiness, vigor, and freedom from disease, it is unsurpassed.

The word Hemerocallis is a Greek word meaning "beautiful for a day." The flower was given this name because the blossoms fail at night. Even if the Greeks had a word for it, American flower lovers prefer to call this attractive plant by the easier and far more descriptive name—Daylily.

Hemerocallis plants have been grown in gardens since the turn of the century, being descendants of the half dozen species found wild throughout the north temperate zone from Europe eastward to Japan. But the popularity of this flower has increased greatly during the last half dozen years due to extensive hybridization work which led to the origination and introduction of vastly superior varieties which we have now.

Daylilies have narrow, grass-like, graceful foliage. The plants are all remarkably free from enemies, and need no protection even in the severest winters. The funnel-shaped blossoms are of large size, borne on many flowered stems well above the foliage so that they are readily seen, even at a distance. These flowers much resemble those of true Lilies. While perfectly hardy throughout the North and East, they are also especially valuable in the South and West because of their marked ability to withstand great heat. In the very dry summers of recent years, the Daylily often has been the only plant to survive unscathed.

This perennial grows from thick, fleshy, tuberous roots, not bulbs, and may be planted from September to April, with the roots placed about three inches deep in rich garden loom. If soil is light and sandy, it should be improved by the liberal addition of well decayed cow manure, well mixed with humus and rich soil. Holes should be made large enough to accommodate amply the tubers without crowding. Roots should be spread and the soil worked around them.

Clumps often may be left undisturbed as long as four to six years without loss in size or number of flowers, but should be taken up and divided at the expiration of that period as in old clumps the roots become firmly matted near the middle. The wasteful competition between the too-numerous roots weakens the general condition and vitality of the plant, causing the flowers to deteriorate.

In any fair soil, if given a reasonable amount

On the preceding page is a selection of flower types showing variation in form and relative size, all greatly reduced. Below: Golden West, tall late bloomer, clear medium yellow. Complete details of illustrations given at end of article

Sweeney, Straub & Dimm

P. I. Merry

Recent introductions show such shadings in color markings with dark red throat. Photograph of plants demonstrate how Daylilies increase in effectiveness if they are left undisturbed

of moisture, the plants will produce excellent flowers. The Daylily stands extreme moisture, and even though half submerged the plants will thrive. They may be planted in full sun or partial shade. Except for two or three species, notably fulva and kwanso, the blossoms are very fragrant and all are splendid for cutting. A single spike carries as many as eight to eighteen flowers, each five inches or more across and five inches long. Most plants will bloom the first year; but it is not until the second season that a Daylily shows its true worth, and only then in a rich loam with ample moisture will it reach its greatest beauty.

They may be placed in the perennial background or shrub foreground. They may be used as specimens, or in beds and masses by themselves. Whether planted in the herbaceous border or by a lily pond, their graceful arching foliage, and tall stout flowers and stalks lend charm. Some of the early varieties combine beautifully with Iris, while later flowering ones contrast vividly with Delphiniums, enhancing the beauty of each.

Luther Burbank originated a number of beautiful varieties. His pioneer work has been carried on in this country by Stout, Betscher, Nesmith, Farr, and Sass; and in England by the noted hybridizers Perry, Yeld, and Mead.

The varieties range in height from the dwarf Dumortieri, which grows ten to fifteen inches, to the giants Hyperion and Sunny West which exceed four feet. Most of the varieties average from two and one half to three and one half feet. Prices range from twenty-five cents up, depending on the scarcity as well as the quality of a variety. Most of the better new originations retail from one to two dollars, with late novelties commanding a higher figure.

With more than one hundred varieties now on the market, the flower lover has an adequate list from which to choose, both as to color and as to time of blooming. Among the good May and June blooming varieties are Apricot, Dumortieri, Gold Dust, Sirius, Sovereign, Tangerine, Dr. Regel, The Gem, and Crown of Gold. Blooming during June and July are Cissie Guisseppi, Mikado, Queen Mary, Royal, Sunkist, Sunset, Cinnabar, Golden Bell, Gypsy, Mrs. A. H. Austin, Soudan, Vesta, and Wau-Bun.

Those blooming in July and August are Ophir, Anna Betscher, Calypso, George Yeld, Hyperion, J. A. Crawford, Shirley, Sir Michael Foster, Thunbergi, Lemona, Bay State, D. D. Wyman, Cressida, and Goldeni; while those blooming in August and September are Gold Imperial, Iris Perry, Mrs. W. H. Wyman, Star of Gold, Sunny West, Golden Dream, Citrina, Gay Day, and Gypsy.

The new hybrids which are being originated by crossing the related species and re-crossing the resulting seedlings, represent the last word in scientific breeding. The flowers are being made larger; the stalks are being made taller and more floriferous; the color range is being constantly widened; and the blooming season is being gradually lengthened. One is astounded with the many new types and colors which have been developed recently. It is difficult to compare them with the older forms as they are so different and so much improved.

Among the best of the new hybrids is Cinnabar which blooms in July, grows two and one half to three feet tall, and bears up to eighteen flowers on a stem. These blossoms are a fine delicate shade of brownish red, with both sepals and petals glistening strongly with gold. The throat is of cadmium yellow. The bloom spreads five inches and is recurving. Another popular variety is Anna Betscher which blooms in July and August and grows around three feet in height. It bears smooth, open, large, light golden yellow flowers, deepening in tone toward the center, with broad glistening and overlapping segments.

A recently imported novelty is Byng of Vimy which grows four feet high, produces

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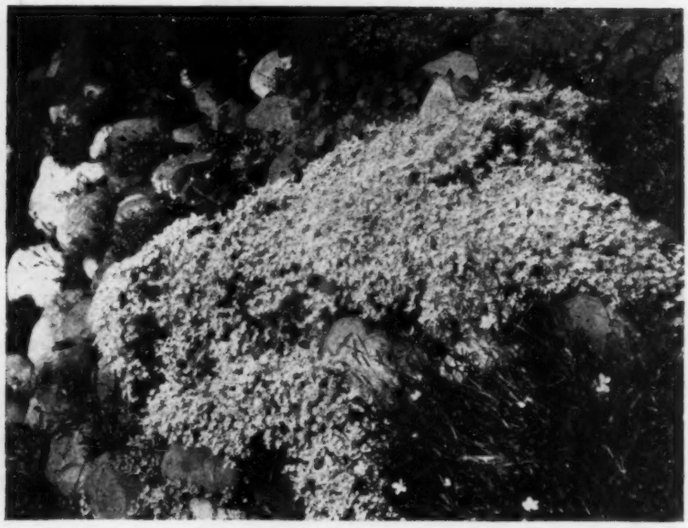
Quick fillers in the ROCK GARDEN

ANDERSON McCULLY



Two really easy growers. In fact, they will need restraint. On the left, the glistening white of the Wall Rock Cress (Arabis albida) more generally useful than the Alpine or Mountain Rock Cress. On the right, Sedum anglicum, easily raised from seed, and particularly good to clothe and hide poorly shaped stones and rocks

You can have the Greek Cress (Aubrietia) in a variety of shades if you sow seed. The flowers range from very bright purple to lilac. Needs half shade and some lime

Here is a Tufted Evening Primrose. Oenothera californica is annual or biennial, 3 or 4 inches high; O. caespitosa, perennial. Both open white and become rose

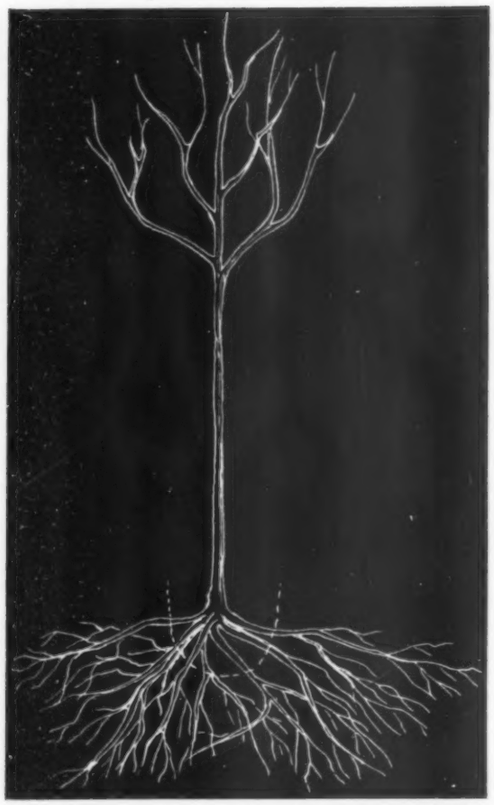
Phacelias have flowers of violet or blue. Above, Phacelia sericea, a perennial from northwest, growing a foot high. Top center, P. campanularia, an annual from California

(*See article on page 97*)

There are hardly any more pervasive plants than the Sedums. On the left, Sedum mexicanum, an evergreen with golden yellow flowers; sometimes known as S. aureum. On the right, perhaps most popular of all the golden flowers of the rock garden, Alyssum saxatile, Gold Dust or Basket of Gold. Both reseed freely

PRUNING for everyone

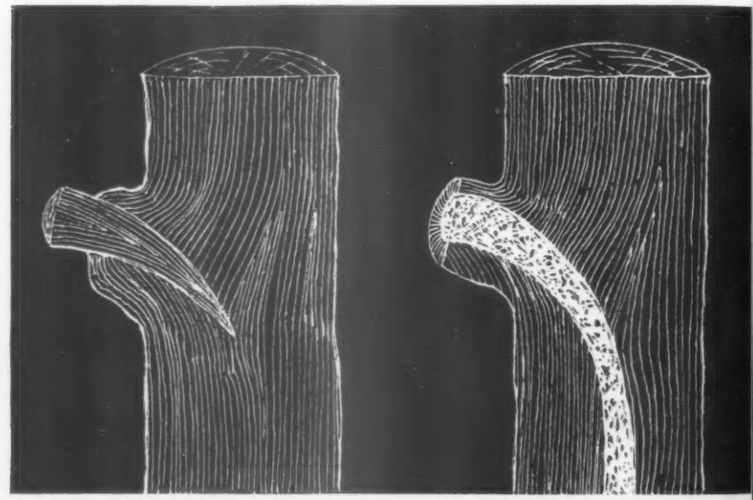
ELIAS J. BEACH



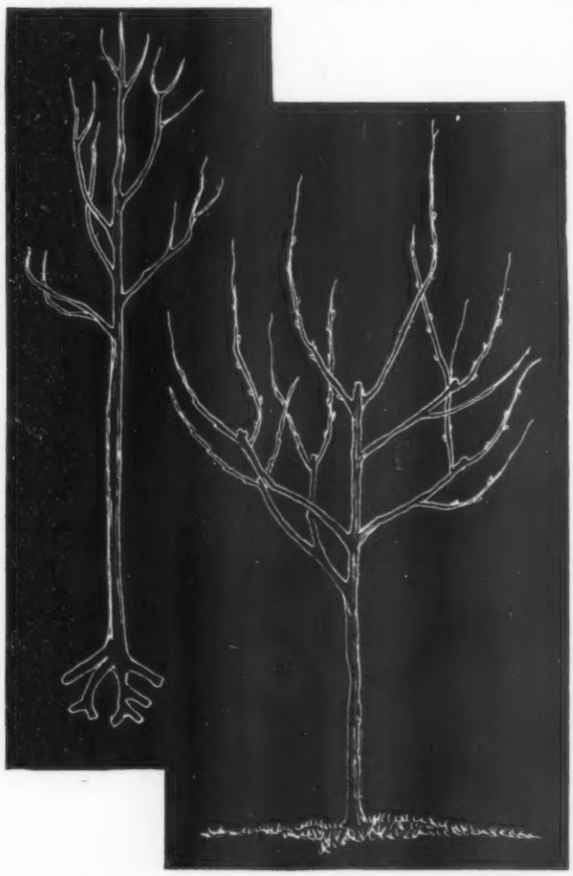
In ordinary transplanting the majority of the young roots are cut off and left behind (see curved dotted line) with the result as illustrated below

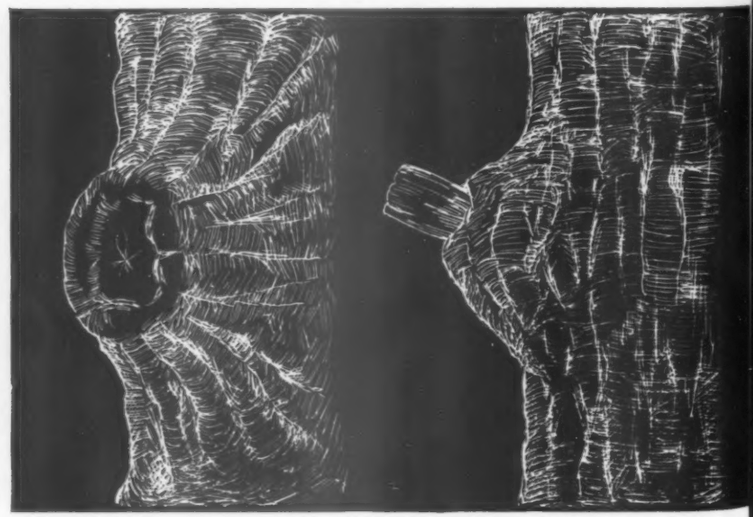
How many times does the beginning gardener ask: "Why do you prune?" and, "Just how should I prune this plant?" Often times I have been "taken to task," so to speak, by people who would like to be looked on as sort of public plant protectors because I have cut out certain limbs and branches from certain trees or shrubs. These people will argue that pruning by man is not necessary as Nature takes care of its own. To the uninitiated the cutting out of a healthy and flourishing branch of a growing tree is foolishness; and that by doing so I am only mutilating and destroying the natural beauty of the tree. However, the professional grower knows only too well what happens if we allow all of our trees, shrubs, and other plants to grow in that *laissez faire* method and without control.

Allowed to develop in their own natural way most ornamental plants would in a few years be crowding each other and a battle for the survival of the fittest is on. Under the more or less artificial conditions of garden cultivation where specially vigorous growth is encouraged, some kind of control —pruning—is necessary. We space our specimens so that the natural way of thinning or pruning cannot take place. The cultivated soil of a garden is usually so enriched with added plant foods that plants in many cases grow abnormally. The trunk distance between the different whorls or tiers of branches which develop at the end of each growing season is too great and gives the tree or shrub an "open" appearance as though it had been grown in a succession of stories. By the careful and knowing use of the pruning shears the gardener shortens this annual growth and in this way



If a stub is left in lopping off a large branch rot and decay, as shown on the right, will eat to the heart wood of the tree. New growth never heals over a dead stub. Cut as close as possible to the main trunk or branch (see below)





Left: As ordinarily handled, the young transplanted tree has roots like this. Right: A well-shaped, well-branched tree, the result of properly pruning back the young growths

reduces the distance between the branches formed during the successive growing years. The result is a more compact and symmetrically formed tree.

But pruning is not done only for heading back the growth of certain plants. The orchard owner prunes his fruit trees in order that he may have fruit that is less in quantity but superior quality. Another reason for cutting away undesirable growths of certain brittle and long-branch varieties of ornamentals and fruits is to lessen the chance of damage by storms. The Silver Maple is an excellent example of the type of plant which really needs pruning to protect it from storms.

Contradictory though it may at first seem, nurserymen prune their stock to accelerate or help the growth of their plants. Weak and somewhat unhealthy nursery stock may be brought to a healthy condition by severe cutting back during the resting period, causing the strength of the entire root system to be concentrated into one main stalk or trunk. Older trees are often rejuvenated by severe pruning. The cutting back or trimming of really old fruit and shade trees is termed "dehorning" and causes the development of new and strong shoots which develop into fine strong limbs and branches.

Root pruning when transplanting is done to get a clean, smooth cut on any mutilated root ends. Dead root tissue should, of course, always be cut away to avoid rotting. Cuts on roots that have been damaged by digging should be clean, smooth, and done in such a way as to let the exposed surface come directly in contact with the moist soil either of the sides or the bottom of the hole into which it is to be planted. With most ornamentals, evergreens, and deciduous plants as little root area as is possible should be cut away. On the other hand, fruit trees can endure severe root pruning and are benefited by it.

The growth of the top or branches of a plant is dependent upon the food supplied by the roots and when this root system has been greatly reduced, due to digging and the necessary root pruning, and since the roots are not able to begin at once to function in their new position, it is wise to cut back the top in nearly the same proportion as the roots have been. The demand for water made upon the roots by the branches cannot otherwise be met adequately in a newly transplanted tree.

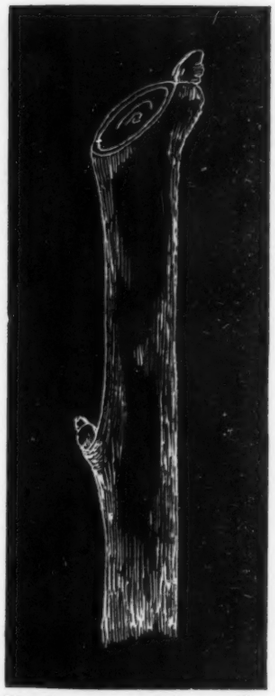
The ultimate shape of a tree depends upon the manner in which any pruning is done. With ornamental evergreens the lower branches must be saved and the closer together these grow the more valuable the tree. With shade and fruit trees the opposite is true. The ideal head (i. e., the total mass of the branches) varies with different kinds and the use to which the plant is to be put. The main structural branches of a tree should be from three to five limbs of about equal size. A tree divided into two main branches is more likely to split at the fork than is a tree of say five branches that leave the main trunk at different heights.

During the first ten years of their lives trees make a longer natural annual growth than in later years. So, young trees need much more frequent pruning to keep them in a good symmetrical form.

Correct pruning is done in the nursery when the tree is young and if the person who buys the young tree takes proper care also the subsequent removing of large limbs from trees and shrubs will not be necessary. Because this has not been done it becomes necessary to prune large limbs from the older trees about the country roadside.

Where the pruning requires the removal of smaller or annual growth rather than the heavier

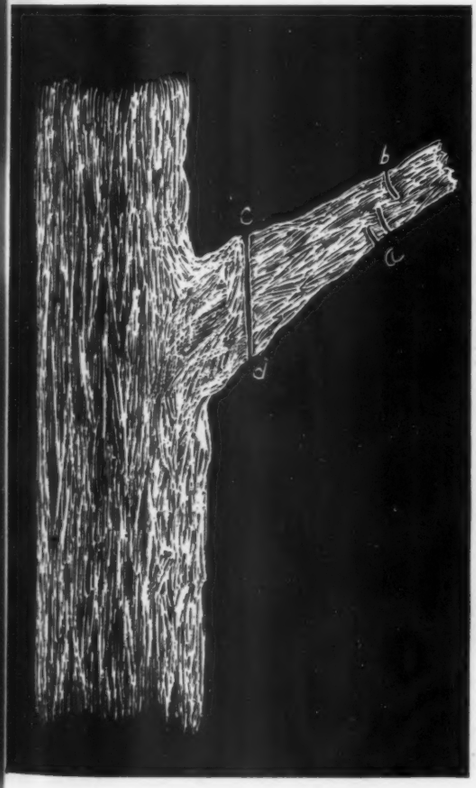
[*Please turn to page 89*]

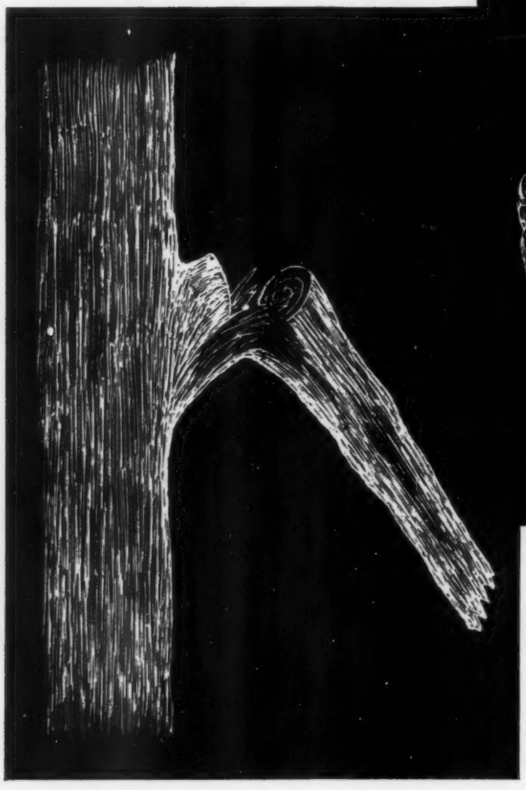


Don't prune too close to the bud, leaving room for drying and healing. (see below)

When cutting back young shoots of trees and shrubs leave just enough growth to carry the lateral bud, cutting clear above it. A longer stub (right) will die back to near the bud line and open up an entrance for disease

When removing a large-sized limb do it piecemeal. Undercut it first, then cut through from above. Later, remove the stub to the trunk, (c and d). In actual practice, much closer than is shown in the diagram, for clarity. If the cut is made close to the trunk in the beginning the breaking branch will tear the bark on the lower part of the stub and may cause serious injury





Photos by J. Walter Collinge

The irregular chimney line has the flavor of primitive handiwork a century ago in California. A painted wooden image over the hearth and Javanese marionette figures on the window sill provide austere ornament

A Restored Adobe in SANTA BARBARA

MARJORIE D. KERN

IN THE business of reconstructing an old house, the qualities most to be desired in the owner are sympathy and adaptability. A house which has lived a long time has acquired a distinct entity of its own, and, provided it be a worthy house in the beginning, the surest recipe for success is to sink our own personality in that of the house and nurse into new life the original flavor of the building.

The old adobe pictured here was built over a hundred years ago by the Spaniards who occupied California in the early days of the nineteenth century. Its main characteristics were simplicity and strength, and these the new owner has kept, while introducing the necessary modern conveniences.

The house runs in a single line of rooms the width of the property, so that the rear garden, where the life of the occupants is carried on, has complete privacy. There are long covered porches on both sides of the building, open on one end to admit sunlight, but no windows at all on the front. This was a defensive measure common in the early days, to prevent the Indians from looking into the windows and frightening the women.

A garage and maid's quarters have been added, a partition or two changed, electric wiring and modern plumbing installed, but the principal divisions of the interior remain practically the same. A new flooring of hand-made tile was laid, and the ceiling between the beams, formerly of reeds, was replaced with thin bamboo rods. Fireplaces were built in every room to provide heat. The thick walls serve to regulate the temperature, making the house cool in summer and warm in winter. The original roof of old tiles, made by the Indians at the Santa Barbara Mission, still retains its low, easy lines. The house turns its back to the street and opens its living quarters on the garden in the rear. A brick walk leads the eye from the stillness of the pool to the low-lying ease of

The house turns its back to the street in favor of the privacy its secluded garden offers

The kitchen is particularly interesting. Shining copper pots and an iron rack holding forks and utensils decorate the walls, and quaint tiles, each one different, border the counter and sink

The dining corner is gay with brightly colored Mexican pottery and glass. The depth of the window reveal shows the thickness of the walls

the roof lines. The roof tiles, made by the Indians at the Santa Barbara Mission, were shaped over the thigh so that one end is larger than the other.

In the center of the house is a large room used for living and dining. The furniture is simple, in accordance with the character of the period. In one corner is a fireplace with seats, in another is a dining table and cupboard filled with colorful Mexican pottery. Above a square piano hangs an old bedspread from Puebla, Mexico. A Mexican altar cloth embroidered in bright woolens curtains the door to the kitchen. An early Colonial chest of drawers stands in the left corner, and the lamps are Majorcan, as are the tables and some of the rugs. Thin bamboo rods make the ceiling, to replace the reeds formerly used which were in bad condition. Against the irregular texture of the white walls—the product of innumerable coats of whitewash applied over a long period of years—all colors take on effective values.

Opening off the living room is a study, with bookshelves, wide windows, and a picturesque corner fireplace. On the other side of the central room is the kitchen, whose equipment is of special interest. The bright copper pots, the copper basin with faucets above used for washing the hands in the old Spanish kitchens, and the wrought-iron forks hanging on the wall, are features that are decorative as well as utilitarian. The kitchen counter, edged with polychrome tiles of varied design, has a charcoal grill at one end.

Outside the house the grounds are simply treated, to carry out the easy, unhurried atmosphere of an age gone by. The long porch in the rear, furnished for outdoor living, is a pleasant link between house and garden. From it a brick walk extends to a hexagonal pool and bench, near the boundary wall. A whitewashed adobe wall with coping and gate columns of tile puts a frame to the picture and provides complete seclusion for loiterers in the garden. A large cactus overhangs the bench. Polychrome tile inset and sociable little jugs and flower pots add pleasant decorative touches to the pool coping. A wooden bench and a few poles to support vines keep primitive simplicity.

NEW PRODUCTS for NEW HOMES

~that do more in less space . . . that stretch construction dollars further

Charles E. Knell

An unusual use of "Transite," a corrugated asbestos board. The material was painted with aluminum paint and makes excellent fireplace facing. Wallboard moldings, stainless steel; ceiling, insulation board panels. Courtesy, Johns-Manville Corp.

ERNEST
EBERHARD

TAKE, for instance, so simple a thing as an electric switch. Today we have a switch that is only one third as big as the switch with which most of us are familiar, and which sells at one third the cost. So for the price of one, we can have three switches in our plate on the wall, separately controlling center lights, wall brackets and lamps from base plugs—and the plate will hardly be larger than the old one-switch plate. Which reminds me that you can have your switches equipped with a tiny glass covered material that glows in the dark. A good idea is to have a receptacle in one of these plates so that the vacuum cleaner, for instance, can be plugged in without the necessity for stooping. Or you can plug in a tiny night light that looks like a thimble stuck on the plate, but which gives a surprising amount of light when needed.

Then there are the newer uses of electricity, some of which savor of magic. For instance, we can sit in our car, turn a button, and have our garage doors roll up. Or, if we don't mind having a post alongside the drive to hold a switch, we can just reach out, turn the switch, and our doors will roll up. Which is quite the thing for those of us who like to take our ease.

WALLS: And then there are new uses for old materials, some of which have heretofore been considered quite plebeian. For instance, take the corrugated asbestos board known as "Transite"—largely used in factory work. One of the illustrations accompanying this article shows how it has been used to make a beautiful fireplace, merely by covering it with aluminum paint. The effect is quite modern.

This same illustration shows one of the new metal moldings used to cover the joints in wallboard. Such moldings come in chrome nickel or stainless steel, copper, and brass.

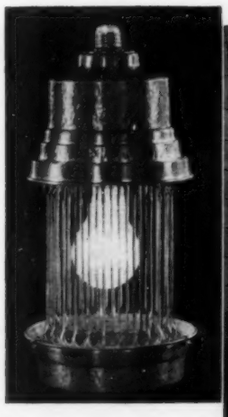
While we are on the subject of wallboard, I might mention that there is now a paint with the priming all mixed in, so that wallboard can be painted without the necessity for a priming coat. And that new tools make it possible to carve or groove wallboard or insulation board right on the job so as to secure a variety of fine decorative effects.

The value of insulation board as a plaster base has long been established. A new type of "Lok-Joint Lath" holds the boards together better and furnishes an excellent plaster base. Then there are new types of gypsum wallboard in which the surface is covered with an actual wood veneer instead of with a paper reproduction. A new type of hard wallboard called Flexboard is flexible so that it can be bent conveniently around curves.

An asbestos shingle made especially for siding has just been placed on the market. This shingle is much wider than the ordinary wood shingle, is grained to resemble wood, and costs on the wall less than $20 a square.

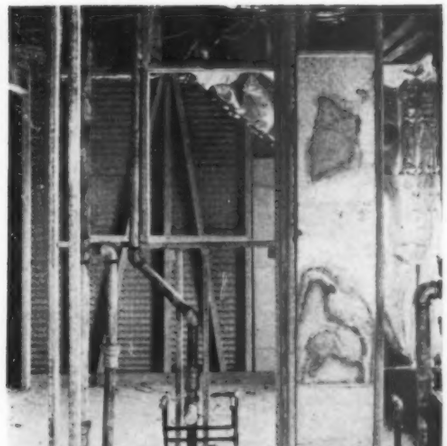
BETTER LIGHTING: Of course you have probably wanted more electric outlets at one time or another, and maybe have run makeshift cords around without realizing that by so doing you are probably invalidating your fire insurance. Now, however, you can have all the outlets you want and have them in perfect safety. A new flexible rubber molding called "AddHere," which is cemented to the wall, comes in four colors to blend with your decorative scheme. The circuit is tapped at any switch plate, and the molding run from there. Plugs or receptacles are placed where desired.

Another manufacturer is now making a "Plug In Strip," which makes electricity avail-



Porch light kills insects attracted to it. Folmer Electracide Corp.

Medicine cabinet crowded? "Coronado-Lavinet" provides extra storage space. Crane Co.



able at intervals of six inches. This strip may be incorporated in the baseboard or elsewhere, and painted as desired. A new type of portable electric fixture is designed to be hung on the wall, being suspended from a push pin like a picture. Wires are run from the fixture to the nearest receptacle. Of course the main danger with improvements such as these is that the feed wires may not be large enough. Too many lights and appliances used at once may blow out a fuse through overloading of the circuit. Fuses can be eliminated by the use of a new circuit breaker so that the mere turning back of a switch will put the circuit into operation again.

An unusual line of tubular lamps called "Mazda Lumiline" can be placed end to end to form a continuous stream of light. These new lamps open up new possibilities in interior decoration.

Another new type of lamp or bulb contains two filaments, one a fifty watt and the other a hundred watt; either of the two filaments can be burned separately or the two can be burned in combination, thus providing three levels of illumination in the one lamp. This is a convenience at most times.

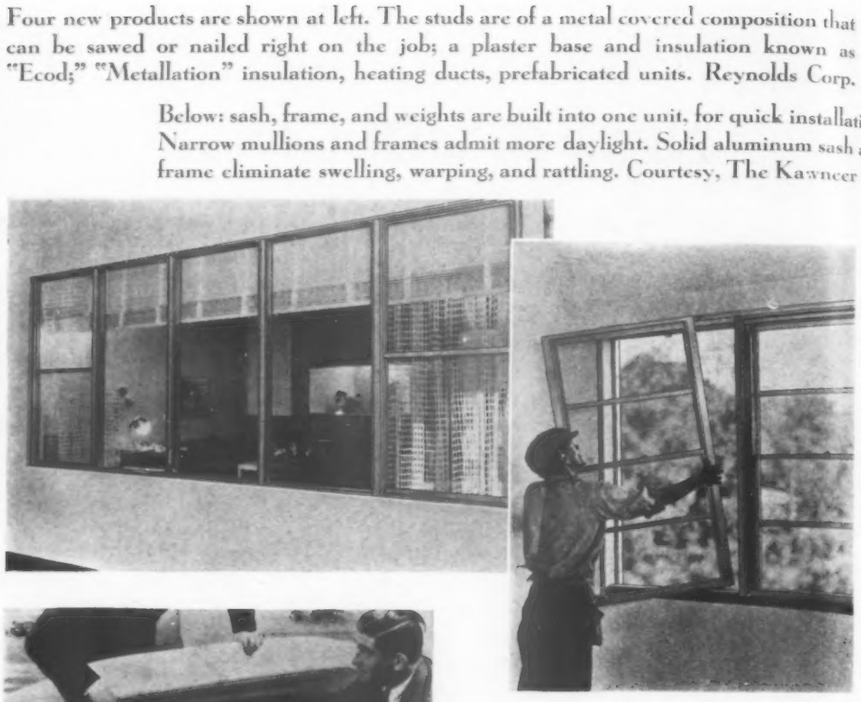
Have you ever sat out on the porch and been bothered by insects? Now you can have a light surrounded by a metal cage so that as the insects fly up to the light, they are electrocuted. This same device, which is made in several styles, can also be used in conjunction with garden lighting.

There is also a type of insect screen which serves the same purpose, and which covers part of the window. The current, although strong enough to kill insects, is not strong enough to harm human beings or domestic animals. Most of us have longed for some device such as this, particularly when out in the country!

AIR COOLING: A brand new room cooler has been placed on the market. The feature of this unit is that you merely have to turn a switch to start cooling the air, taking excess moisture out of it, and circulating and cleaning it. No wiring and piping are necessary—no water supply, no drain, nothing bothersome. The installation merely consists of placing the unit in front of a window, adjusting the air duct in the window, then plugging in to the nearest electric outlet. Then turn the switch. It can be moved from one room to another.

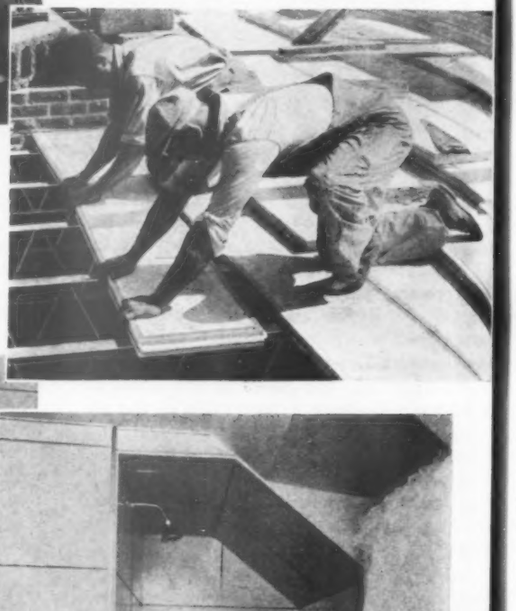
Four new products are shown at left. The studs are of a metal covered composition that can be sawed or nailed right on the job; a plaster base and insulation known as "Ecod;" "Metallation" insulation, heating ducts, prefabricated units. Reynolds Corp.

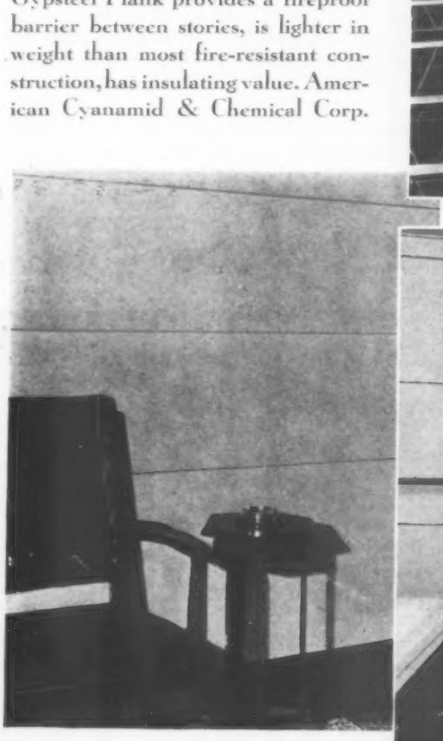
Below: sash, frame, and weights are built into one unit, for quick installation. Narrow mullions and frames admit more daylight. Solid aluminum sash and frame eliminate swelling, warping, and rattling. Courtesy, The Kawneer Co.



A new safety bathtub has safety waveline treads. Briggs Mfg. Co.

Gypsteel Plank provides a fireproof barrier between stories, is lighter in weight than most fire-resistant construction, has insulating value. American Cyanamid & Chemical Corp.





Flexboard, fireproof and ratproof, can be sawed and nailed like wood, is inexpensive, and comes in four good colors. Courtesy, Johns-Manville. Bathroom walls in the Triple Insulated House are of color panels of Johns-Manville asbestos wainscoting with polished aluminum moulding between sheets and at corners. Photo, W. & J. Sloan

INSULATION: Most of us just think of building paper as building paper, not realizing that it acts as a windbreaker to keep out drafts and moisture, which latter can quickly ruin the efficiency of many types of insulation. A new type of building paper is specially impregnated against moisture damage, fungus growth, damage from termites or other insects, etc. It costs no more than other good building papers—which means that the paper cost for the average size house will be around $20.

The makers of this paper have also recently introduced a strong paper covered with thin sheet copper which can be used inexpensively to flash around windows, doors, etc., or to cover the sheathing boards in place of the ordinary building paper. It is far better for window flashing than plain building paper, and much cheaper to use than ordinary copper flashing.

Aluminum foil is becoming quite widely used as an insulation because of its heat reflecting qualities. Manufacturers of refrigerators have long known of and used the principle on which this insulation is based, though it is new to residential work. The foil is available either in sheets or it is backed by paper.

COPPER NEWS: Copper-covered wallpaper is now made by the electro sheet process. The copper is lacquered to prevent tarnish and is suitable for use anywhere in the house, from bathroom to living room.

Experiments have developed a light-weight copper for standing seam roofs so that this material can now compare in cost with other quality roofing materials. Due to the cost of copper, or the up-keep cost of repainting tin roofs, the standing seam roof so popular in old Colonial days is now little used. With copper available in a less expensive form, we can expect to see more of this beautiful type of roof in the near future.

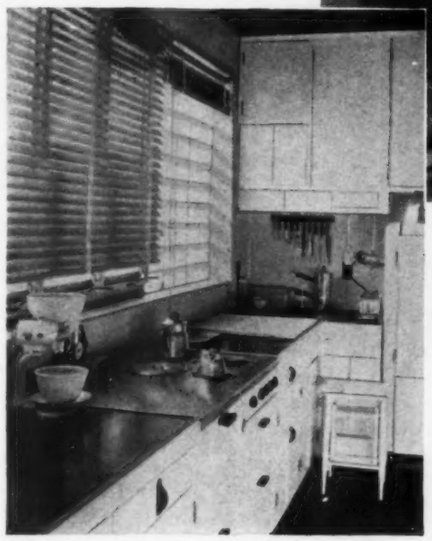
BATHROOMS: New things have also taken place in bathroom fixtures, particularly in bathtubs. Now we have a square bathtub in which the tub part runs sort of cater-cornered so that a seat is provided on either side of the tub, and yet space is conserved.

Another type of tub is made in combination with a lavatory and is called a "Lavashower." Tub and lavatory can fit in a seven-foot space, and yet the tub can be a full five feet. Extra space for the tub is gained by carrying it under the lavatory. The tub widens out under the shower head so that there is ample space to take a shower bath.

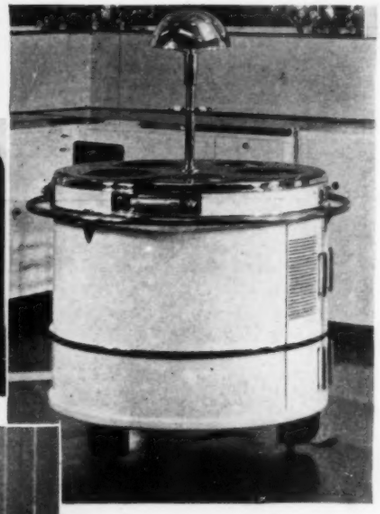
[*Please turn to page 75*]

A new portable room cooler requiring no special wiring or piping. Cools air; cleans, removes moisture. General Electric Co.

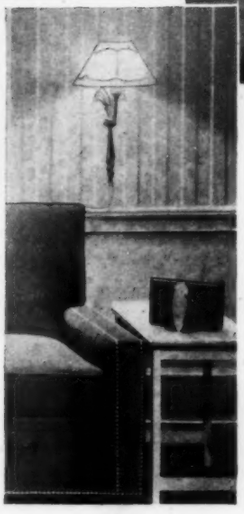
Glass brick admits light and provides privacy. Owens-Illinois Glass Co. Arrows (in center photo) show "Plug-In" Strip making available electricity at 6″ intervals. National Electric Products Corp.



Fireproof Rocklath insulates by light reflection. United States Gypsum Co.



Bones, potato peelings, etc., are ground up in this waste disposal unit. General Electric Co.



This electric stove rolls on casters and you cook from any side of it. Briggs Mfg. Co. To the left of it, a clock that turns on your radio automatically. General Electric Co.

At left, a light that you just pin on the wall when there is no room for floor or table lamps. Courtesy, General Electric Co.

They said—"it *couldn't* be done"

A LITTLE story and a half house of the Cape Cod type, white with green blinds, located on a hill 'way up in New Hampshire; a thirteen-foot square "setting room," with two south windows, two west windows, three doors, and a fireplace—these, with a hundred dollars, had to be made "Home."

Fortunately the ceiling was fair and white, the walls papered with an old timey paper, cream ground with small all-over pattern in light tan with some tiny dots of green; the wide pine board floor was flagstone drab, and the woodwork white. The house having been built in the late part of the eighteenth century, I wanted the furnishings of that time. That meant country Heppelwhite and my hunt began. Could I get into old farmhouse attics? Could I find some pieces at the country auctions? What could the local junk dealer do for me? Here's the story—

Let us begin with the floor: a 6′ 8″ hooked rug, square, once having a black ground, and made by one of my old "scrap bag" rug workers, cost me $25. The alternating squares are many-colored, and the flowers all shades of old reds with green and brown leaves on faded black. This covered the main part of my floor and gave me the color scheme for my room. A small hit-or-miss hooked mat in the same colorings protects the floor by the side hall door and cost $2. Simple sheer tie-backs at the windows, with rods, took another $2. Andirons were needed and on a trip to Maine I found a good pair with ring

Photographs by the George H. Davis Studio

ELIZABETH E. MORSE

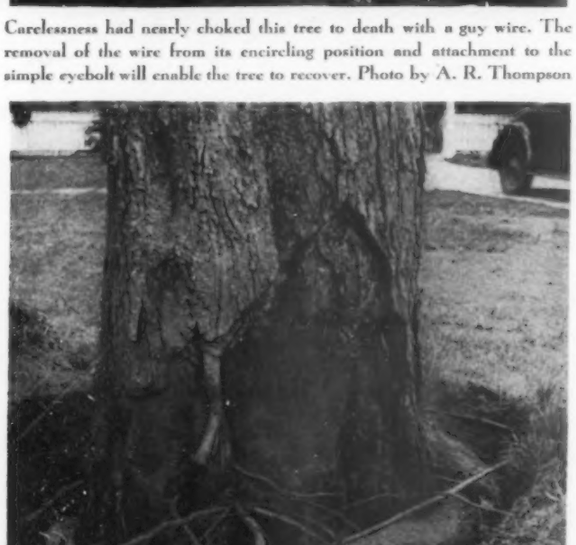
tops (iron, of course) for another $2; a pair of old iron tongs for a quarter; a ten-cent box of trash gave me the brass hook to hold the tongs, as well as the big brass key I use for a paper weight. Another quarter paid for a heavy old splint cheese basket—that holds my wood. Next came the little oblong stand, part pine, part maple, with square Heppelwhite legs, that a small dealer let me have for $3. The bookcases I found on Tory Hill at Elm Farm. I took two, cut them in two, turned two of the halves upside down, and a village carpenter added old board tops and bases. So, I have four low bookcases to house my magazines and reference books, mending basket—all for seven dollars and a half. Painted white to match the woodwork, they look well and the old worm holes do not show. The three "loop" back Windsors needed some repairs. Mended and in order, they came to $7. The one with the green pad has a badly damaged seat, so must ever wear its covering. The chess table was one of my happy buys. Home-made, with a painted checker board of coffin red and black paint, they claim the top belonged to the Webster family. I bought it for ten cents and put it on my base of old wood, and complete it stood me $2. The chessmen belonged to the George

[*Please turn to page 50*]

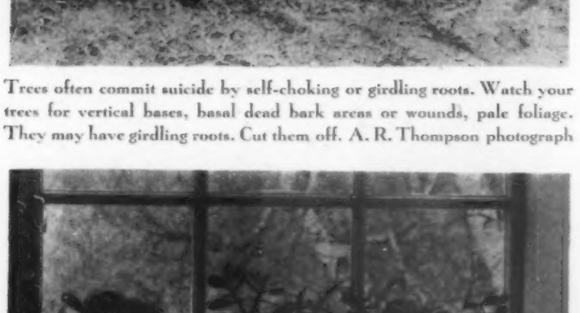
I had spent seventy-four of my precious "setting room" hundred when I came upon the fourth big "buy," the Sheraton comb-back Windsor rocker that you see below. It cost three dollars, and I should never have found it had my car not needed water

SPRINGTIME : *Soil* : PREPARATION

Carelessness had nearly choked this tree to death with a guy wire. The removal of the wire from its encircling position and attachment to the simple eyebolt will enable the tree to recover. Photo by A. R. Thompson



Trees often commit suicide by self-choking or girdling roots. Watch your trees for vertical bases, basal dead bark areas or wounds, pale foliage. They may have girdling roots. Cut them off. A. R. Thompson photograph



The Kintzgarden window box is a specially designed indoor window garden. A plant box complete, enclosed in a glass well the size of the window sash to which it is secured and raises with it, so avoiding draughts

the crucial start

Indeed, a good start is half the battle for success. This means that as soon as it is at all possible to work the soil after its first flush of spring drying out, loosen the ground among the shrubs by turning it over lightly with the spading fork. That gives a mulch and lets in air at the same time. The winter snows and early spring rains pound down on the earth's surface packing it tightly as well as smoothing it off. The good gardener will break it up as soon as possible. As the crowns of plants show through the ground lift and transplant in the herbaceous border as may be necessary. Don't lose a moment in planting new shrubs and especially Roses.

conditioning the soil

Getting the soil into good tilth is one of the most important chores of early spring. This means digging it over, working it, and perhaps introducing foods or fertilizers and in a general way making the soil not only fit for the plant but encouraging for the plant to grow. Just merely digging it upside down is better than doing nothing at all but it isn't the right way. Ever notice how a plow turns and mixes the clods? You cannot do that in the small garden but you can do "trenching." In trenching, the soil for a depth of something more than two feet is inverted and mixed at the same time turning in manure.

Nature in fact is so good to us that we don't often work the soil to its fullest capacity. Topsoil usually has more humus in it than subsoil and the purpose of trenching is to get a more pliable humus-laden soil to a greater depth. We have a little diagram explaining this whole operation which will be sent to you merely on request. Send a postal card asking for the easy way to dig.

Humus in soil is important for several reasons. It holds moisture against future drought; it aerates and lightens heavy soils; it adds substance to light sandy soils. No garden soil can support vegetation unless it has humus and the bacterial life that it carries. In the absence of available humus or good barnyard manure or peat moss, do not destroy any vegetable refuse or any waste around your household but turn it all into the soil.

flowering pot plants

No doubt it has happened to you that a beautiful flowering plant in a pot withered or died very soon after it was made an occupant of your living room. Well, that is no fault of the florist, although usually he gets the blame. The fact is that a flowering plant, by the time you get it in its full glory, has completed its growth for the season. It has a dense, compact mass of roots and consequently wants water, water, and more water. Look over the pot flowering plants each day—twice a day morning and afternoon. Each morning water them, drain thoroughly, and restore to their ornamental position in the room and this watering means that the entire ball of soil is really saturated, not merely dampened on the surface. Don't wait until the leaves curl up or the flowers drop. It is too late then. A rule? Water pot plants whenever they need water; and flowering plants need water every day.

springtime's repotting time

Plain common sense should help you to realize that transplanting or repotting of growing plants is best done when the roots are active, not when dormant, because then they can make new growth to repair any damage. The active time is spring. Plants do not keep growing all the year 'round, at the same speed, even Palms, Aspidistra, Sansevieria and other foliage plants have a period of rest and that is usually in the winter time. (Unless they happen to be Australians.) So, they need less water then; but, as growth starts up in spring and roots get active, then is the time to transplant. For convenience keep your house plants in as small containers as possible and feed them actively when growing. Use a commercial prepared complete food, in solution.

raffia's the string

Any experienced gardener knows that string is at best just a substitute for the real thing when it comes to tieing up plants or cut flowers.

Don't forget to order raffia with your seeds. For thirty cents you can get almost enough to make a grass skirt. It is so much more picturesque than string for tying up plants—and more effective too. It is grand for tying up the bouquets that you give away, and what a handsome addition it is to your garden basket of scissors, trowels, etc. Keep it in a loose braid.

sterilization at low temperature

Here's good authenticated news for those who have small greenhouses and the application might be made even to small

Coldframes : REPOTTING : Raffia

individual pans. The point is that, contrary to tradition, it has been shown by Dr. Horsfall at the Geneva, N. Y., experiment station that "damping off" and such-like bothersome things in the greenhouse can be practically controlled by a system of what is practically pasteurizing at a low temperature of 130° for several hours. "All the microbes, good, bad, and indifferent, were killed."

It you are further interested, read of the arrangement for a home electric sterilizing unit and how you can make it in THE AMERICAN HOME for June, 1934.

The many ways in which electricity is being brought into efficient service for the gardener is quite inspiring. Nearly everyone has electricity available these days. The cost of low heat sterilization is not excessive either. But, after all, what is a few cents against the health of a few favorite or precious plants?

hotbeds or coldframes

With March the good gardener has hotbeds in full operation. The hotbed is one of the most useful pieces of equipment; in fact, it is hard to garden well without it. It assures the young plant a good foothold in the first days of its existence. A plant that is started right will grow on to maturity and grow with accumulative vigor that is quite surprising to the novice. A good start means a lot. If you have no facilities for putting heat into this bottomless box with a glass lid set on the ground, why, it is then just a coldframe and that is a great deal better than merely sowing the seeds in the open ground and trusting to luck. The odds are too great—insects, birds, rains—these are merely normal chances you have to run. But with a little protection of four boarded sides and a glass cover you can pretty nearly defy the elements. There is just one necessity—the frames must be ventilated as the weather warms up and accordingly as it warms, and open always on the lee not the windy side. And don't let things dry out!

gaining on the calendar

There are certain good practical reasons why the keen gardener uses this sheltering protection for his seeds. He gets plants of many things, like Heliotrope and Centaurea to set out in the open in May when otherwise he would only be sowing seed. Nearly all the annuals sown in a frame and transplanted will bloom when they are most wanted—in early summer—and then a lot of perennials and tender plants for flowering next fall and winter can be gotten under way and given a head start; such as, Primulas.

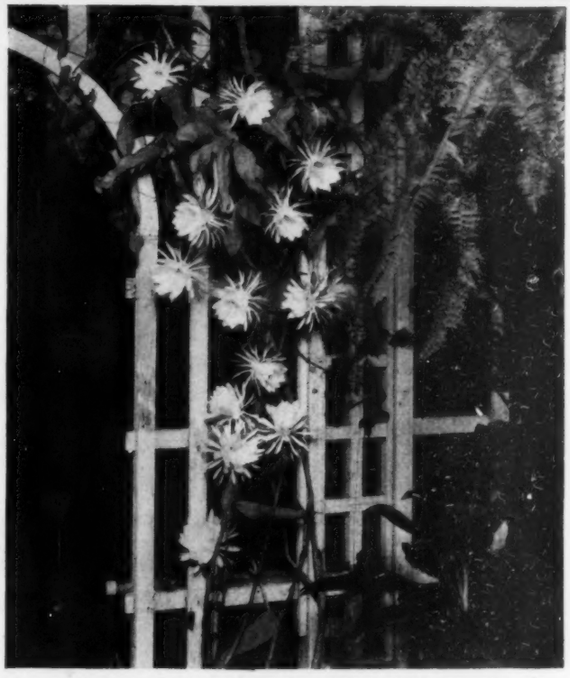
starting some sweet peas

Notwithstanding that the commonplace practice of merely sowing Sweet Peas in a trench in the open garden as soon as seems reasonably safe to dig into the soil, you have got a new experience before you if you will start Sweet Peas now in pots. Take small pots and sow a couple of seeds in each and perhaps later pull out one so as to have a strong individual left—or if a six-inch pot put in four seeds and later sacrifice three. Plunge these pots to the rim in the frame or hotbed and in due season next month transplant from the pots into the open garden. Never done this before? Well, try it this once and you will get your Sweet Peas flowering when the outdoor planter is beginning to worry about whether his plants will come through without a lot more watering. Sweet Peas are in many ways the most desirable of annuals—gracious, fragrant, fragile looking, long stemmed, decorative, productive, and blending well in mixtures.

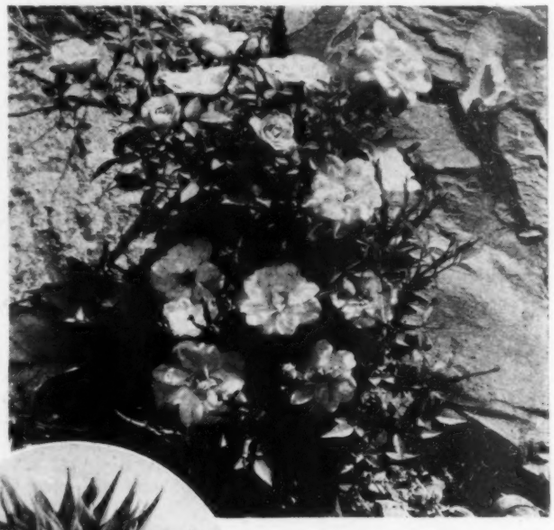
chrysanthemums for fall

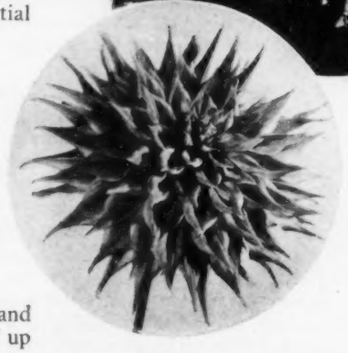
The gardener always has to think two periods ahead of his results. In the fall he plants bulbs for spring; in late summer he sows seeds for summer transplanting; and in the spring prepares for the fall bloom such plants as Chrysanthemum and Dahlia. Not much good in letting old clumps of Chrysanthemum remain just as they went into the winter. Dig them up, pull them apart, transplant separately every little shoot—it will make a new vigorous plant. That is the way to get good Chrysanthemums. If any clumps were started up in the late winter in a frame, pot them up during this month and don't leave them in the sand after the roots are an inch long; in fact, all young plants, whether from seed or from rooted cuttings, should be taken up from their initial beds as soon as they have got adequate roots and transplanted into pots or frames as it may be convenient. If you really want a good supply of Chrysanthemums this fall, keep on propagating from the stock that you now have, potting up the individual cuttings as soon as they are properly rooted. Try the new Korean Hybrids.

You can bring the Dahlias out of storage, too; and put in a frame where they will get slight protection and warmth and they will begin to "push" up vigorously. These young shoots may be removed with a heel (that is very important). A heel is a piece of the old tuber, quite a tiny piece is adequate; placed in sand, they will soon root.



Photographed at midnight in the garden of Mrs. H. T. Staiti, Houston, Texas; a somewhat unusual use of this Phyllocactus, commonly called Night Blooming Cereus. Where it is hardy, this is a splendid subject for a garden that is floodlighted at night. This cactus is easily propagated if desired by simply breaking off a "leaf" and sticking it in the ground



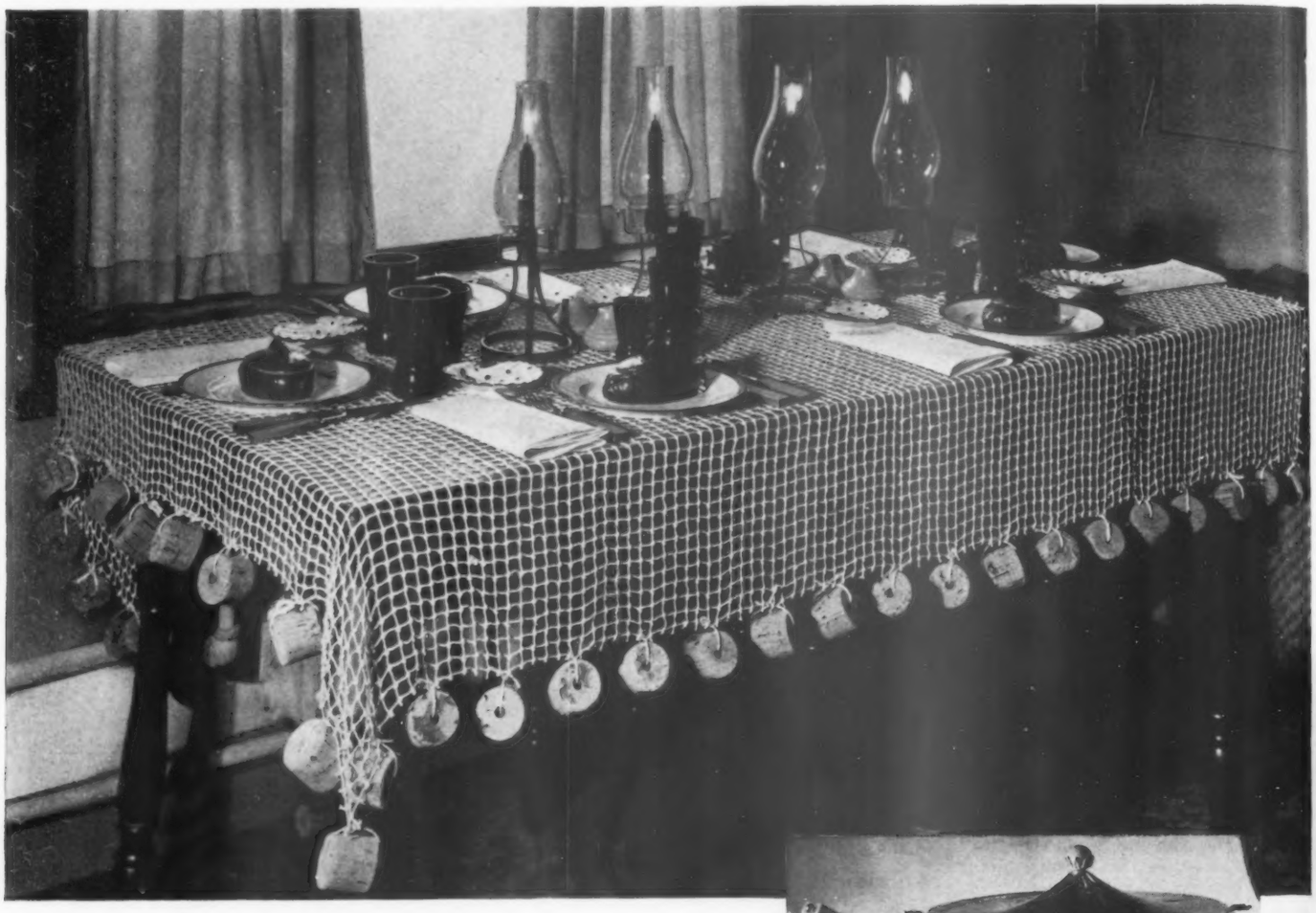


The tiniest Rose that grows. For comparison note the dried oak leaf on the lower left. Rosa rouletti is about 4 inches high, laden with pale pink, perfect Roses in miniature; hardy. Try this in your rock garden. A fairy Rose that grows a little bit larger is sometimes confused with it

A winner on the two coasts. Semi-cactus Dahlia California Peach (Success-Ballay), the best undisseminated seedling at San Francisco and the best bloom at Boston, winning The American Home Achievement Medal. Rose-pink, with erect stem. Seedling of Satan which it closely resembles

GIVE A PARTY!

a steaming fish and chowder buffet or a St. Patrick's bridge



Demarest Photos

Lobster net tablecloth with cork weights, red glasses, china, and hurricane lamps from Dennison's as is "anchor" chinaware, thumb-print glass, and striped cloth. Blue-handled flatware, and other accessories on bottom of opposite page all from R. H. Macy & Co. Cutlery, above, Hammacher Schlemmer

Chafing dish above and two-sectioned vegetable dish in center of opposite page are of Argental metal and from Wille-Art Goods, Inc.

PARTIES are always popular, but they are even more so when the hostess gives a little thought to the dishes and table decorations which she will use. There are so many attractive things now on the market, that it does seem that parties should be given if only as an excuse to show off the ingenuity of a hostess. Inspired ourselves by some "fishy" accessories—we have set up two tables for which we have prepared "fishy" menus. One for a shore dinner—using fish that are typically sea food, and another in which inland, or fresh water, fish is used.

The first table smacks of the fishing village with its lobster net tablecloth, weighted with enormous corks, and its center decoration of hurricane lamps. The net is natural color with natural corks, and the lamps have red metal standards, red candles, and good old-fashioned lamp chimneys—all practical for outdoor use later in the season. The service plates are white with red borders, and the fish dishes on them, which would be grand for serving clam broth, are red too. The bread and butter plates are white shells with red border and red dots. The water and cocktail glasses are also red. Red pepper and salt shakers, wooden handled flatware, and white napkins complete our patriotism.

The second table, shown on opposite page, carries out a red, white, and blue motif. The cloth is striped oilcloth, white background with red and blue stripes. The dishes are white with blue borders and blue anchors. Pepper and salt shakers are white with red dots, and there is also a fat red pitcher. The glasses are heavy thumb-print glass, and the coasters white with anchor design. Blue handled cutlery and white napkins with a blue anchor in the corner. The huge cups and saucers are for chowder, and the round fat covered dishes ideal for escalloped foods.

Chafing dishes are indispensable for midnight buffet supper parties, as are the divided serving dishes. The chafing dish pictured above at right is made of Argental metal, which is non-tarnishable. An alcohol lamp permits outdoor use. Colored tile inlays of fish on its base, suggest other lovely color schemes. The knob on top is of bone, to prevent burned fingers, as is the handle. But here is something

Entertaining need not be a burden if the hostess first lays her plans carefully. Two prime essentials to a successful party are good food—keep it simple—and original service and color effects

Pottery serving dish and individual casseroles shown above, from Carbone, come right from oven to table, their beautiful contents unruffled

else unusual about this dish; when not in use, the different parts can be used for numerous other things. For instance, the pan with handle can be used for serving popcorn, and the hot water bowl for serving fruit. For a two-sectioned vegetable dish of this metal, with Pyrex dish inset, we immediately thought of scrambled eggs and sausage.

Heavy pottery casseroles are ideal for serving baked beans, and the small individual ones can be used for beans, soup, or chowders. They are rough textured and are most attractive on heavy peasant lined with gay peasant plates and accessories. There is no end of ideas to be had from the many buffet supper accessories, so make up your own color scheme, and—don't forget to see all the pretty shining copper, brass, and aluminum accessories and snack servers. They are inexpensive and smart. But to get on with food—here are our menus for the "fishy" buffet parties.

Shore Fish Dinner:

Fresh shrimp cocktail
Hot clam broth
Escalloped crabmeat and oysters
Peas Parsley potatoes
Lemon soufflé
Coffee Tea

Inland Fish Dinner:

Two-tone cocktail
Broiled brook trout
Julienne carrots Frenched string beans
French fried potatoes or
Hot potato chips
Orange ice Ice cream wafers
Coffee Tea

Midnight Buffet Supper:

Shrimp à la Newburg
Spanish beanpot
Scrambled eggs sausage
Compote of stewed fresh fruit
Chocolate nut wafers
Coffee

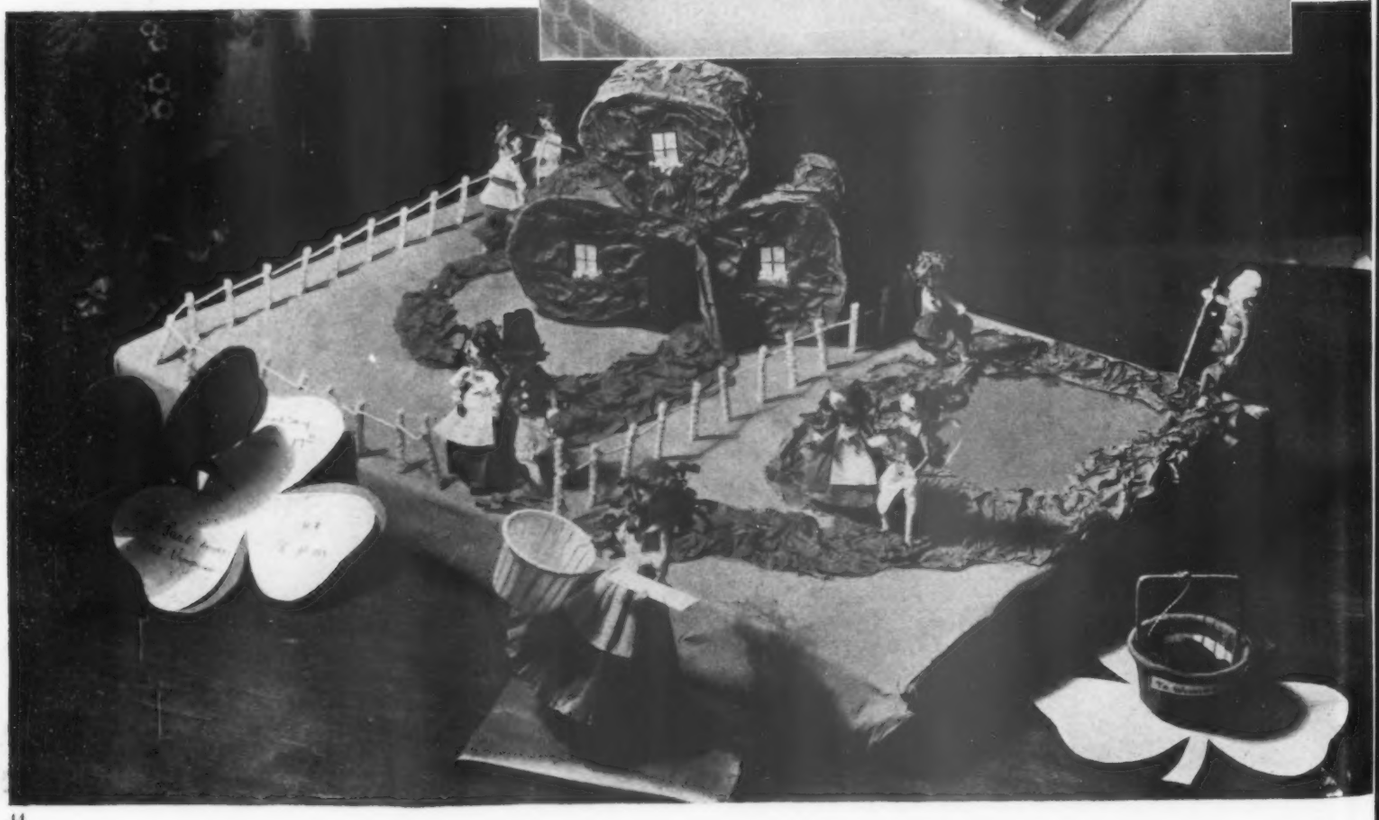
St. Patrick's Bridge Luncheon:

Shrimp and green pea salad in green pepper cups
Rolled watercress sandwiches
Pistachio ice cream
Vanilla wafers in shamrock and clay pipe shapes
Mints Salted nuts Coffee or Tea

COSTUMES and decorations for the St. Patrick's day table are of Cellophane cellulose film. The lacey looking skirt, hat and ruffles are made from doilies of cellulose film, printed to look like real lace. Transparent green drinking straws form the rustic fence. The Shamrock used for the base of the centerpiece is of gold cardboard, trimmed with a sparkling green ruffle. Individual favors for the men are top hats of gold with green bands of cellulose film, and those for the ladies, lacey hats, both nut cups.

In the large photograph we show an Irish scene, designed by Alfreda Lee, and extremely easy to make. Irish lads and lassies

[*Please turn to page 81*]



The cook's family album

The recipes that you have "snitched" from under the eye of a watchful chef are perhaps the most fun, but the ones for which you have exerted all your gastronomical ingenuity to analyze are the dearest to your heart.—MARNI DAVIS WOOD

Recipe printed on back of each photograph

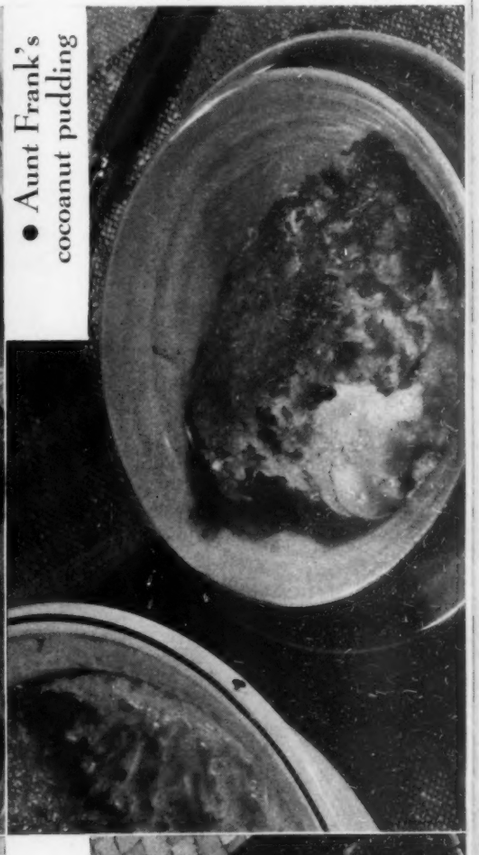
• eggs à la turque

Recipe printed on back of each photograph

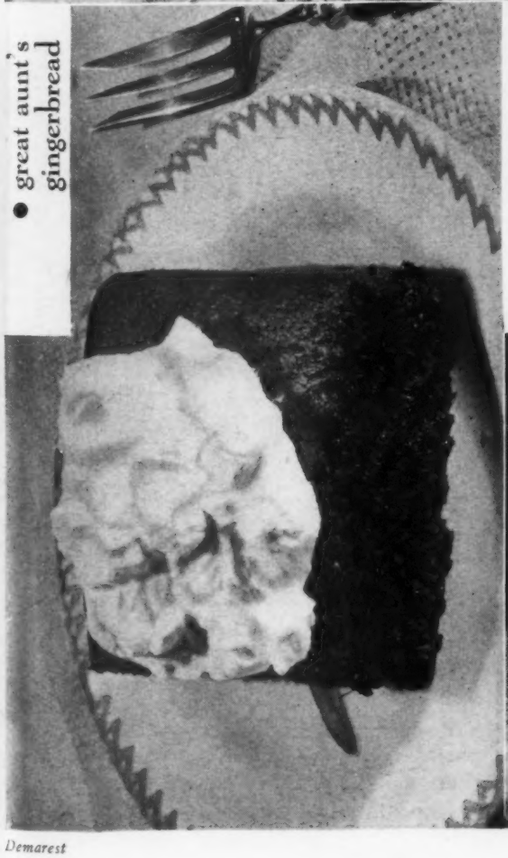
• supreme of old hen

Recipe printed on back of each photograph

• Aunt Frank's cocoanut pudding

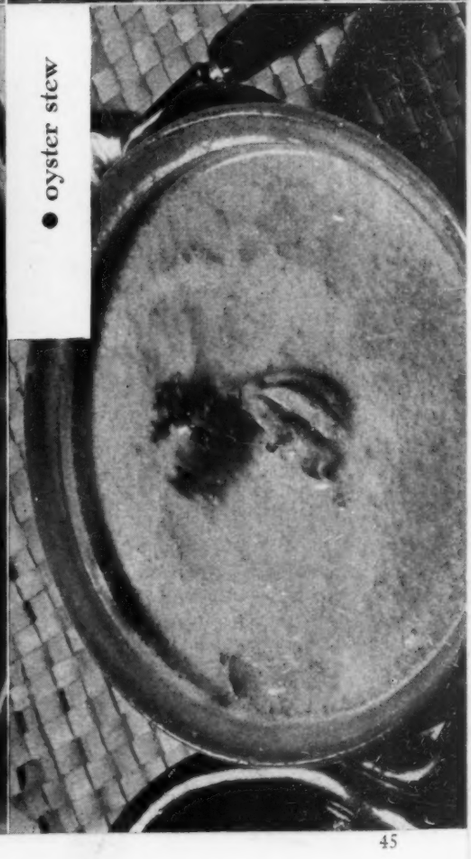


• great aunt's gingerbread



• Minnie's apple dumplings

• oyster stew



Demarest

The cook's family album

"When I've gone pretty stale on ways to add milk to the diet of my family, man and boy, I look over the old family cook book and think they must have kept dozens of cows in those days and had to use up the milk willy-nilly."—MARNI DAVIS WOOD

Photograph printed on back of each recipe

• oyster stew

2 tablespoonfuls butter
Large pinch paprika
Dash of tabasco sauce
Good dash of Worcestershire Sauce
Salt and pepper to taste
32 oysters
2 cupfuls thin cream
2 cupfuls rich milk
Butter

PUT butter, paprika, tabasco, Worcestershire, salt, pepper, and oysters in top of double boiler. Heat over the boiling water until edges of oysters begin to curl. Then add milk and cream. When it is piping hot, ladle into warm soup bowls into which you have put a portion of butter. Serve at once, with salted oyster crackers, and the horseradish bottle in a prominent place on the table.

Tested by THE AMERICAN HOME

• Aunt Frank's cocoanut pudding

1 quart milk
3 eggs
½ cupful sugar
1½ cupfuls grated cocoanut (shredded will do)
1 slice bread, crumbed
1 teaspoonful butter
1 tablespoonful brandy
or
1 teaspoonful almond flavoring

BEAT eggs, add sugar and milk. Add butter, cocoanut, bread, and flavoring. Pour into buttered baking dish and bake in a moderate (350° F.) oven until firm—about 1 hour.

Tested by THE AMERICAN HOME

Photograph printed on back of each recipe

• Minnie's apple dumplings

1 cupful sugar } for syrup
1 pint water }
1 pint flour
1 tablespoonful butter
2 teaspoonfuls baking powder
Enough water to make dough of consistency to roll
Sliced apples
Sugar
Nutmeg

MAKE a syrup of the 1 cupful sugar and 1 pint water. Cook on top of stove until sugar is completely dissolved.

Sift flour and baking powder together. Add butter and rub in with finger tips. Add water to make dough of consistency to roll. Roll out thin, cut into rounds about the size of a saucer. Fill with sliced apples, a tablespoonful sugar, small piece of butter and a pinch of nutmeg. Pinch together. Pour syrup into baking dish, drop dumplings into hot syrup and bake ½ hour in a moderate (350° F.) oven, covering for the first 15 minutes.

Tested by THE AMERICAN HOME

• supreme of old hen

1 chicken, cut for fricassee
2 tablespoonfuls olive oil
1 clove garlic, sliced
Sauce—2 tablespoonfuls butter
2 tablespoonfuls flour
1 cupful stock from chicken
1 cupful cream
½ cupful chopped parsley
Yolks of two eggs
½ cupful white wine

PUT olive oil and garlic in casserole or heavy frying pan. Heat and remove garlic as soon as it is brown. Sauté chicken in the hot oil for 15 minutes. Cover closely and reduce heat. Steam very slowly for 1 hour, or until tender. Remove to platter and pour sauce over.

To make sauce: melt butter and add flour. Blend well and add, slowly, the cream and stock, stirring constantly. Then add parsley and let mixture come to a boil. Beat wine and egg yolks together and add to sauce. Simmer until very thick and pour over chicken.

Tested by THE AMERICAN HOME

Photograph printed on back of each recipe

• Great Aunt's gingerbread

1 cupful molasses
¾ cupful butter, melted
1 cupful cold water
2¾ cupfuls flour
2 teaspoonfuls soda
1 teaspoonful cream of tartar
2 teaspoonfuls ground ginger

PUT soda and ginger into molasses. Stir and add melted butter. Dissolve cream of tartar in cold water. Pour that into molasses mixture; stir, and add flour. Pour into a greased and floured tin and bake in a moderate (350° F.) oven for 30 minutes. Serve with whipped cream or frost with a bitter chocolate frosting.

Tested by THE AMERICAN HOME

• eggs à la turque

1 tablespoonful butter
2 large, or 4 small, onions, shaved
Eggs, two per person
Sour cream

PUT butter into a plat sabot or other flat baking dish or casserole, either pottery or copper. Set over a very low flame. As soon as butter is melted, but not brown, add onions. When they begin to look clear, add eggs. (If you are using more than 4 eggs, you will need more butter and another onion.) When the edges of the whites are set cover each with 1 tablespoonful of sour cream. Any degree of sourness up to almost complete disintegration is all right. Put in a good hot oven (400° F.) until eggs are firm (about 10 min.), and then broil for 2 minutes under a hot flame.

Tested by THE AMERICAN HOME

Photograph printed on back of each recipe

Anything Goes with SPAGHETTI

By Josephine Gibson

● It is all things to all meals—mainstay of simple dinners—adjunct to luxurious menus. It is a grand dish in its own right—a rare ingredient and flavor-lender. It can transform a frugal bit of meat into an intriguing whole-meal dish.

Here, in a word, is one of the famous 57 varieties which has a distinctly Continental accent—Heinz high-spirited spaghetti with its full-bodied sauce of tomato, its piquant seasonings and cheese.

As proof of ready wizardry:—Thin collops of veal (about a pound or so of veal cutlet cut into small pieces, browned and gently simmered) and a single large can of Heinz spaghetti—become forthwith a fine Escallopine of Veal.

Grilled cocktail sausages—cooked ham or tongue and a scattering of mushrooms or even just the raggle-taggle remnants of a roast, commingle with the sauce-drenched strands of Heinz masterly spaghetti to make such casseroles as may be set with pride before any knowing trencherman.

Feats or Feasts of Magic—and many of them—you will find described in the new Heinz Book of Meat Cookery. It costs just ten cents. The address is Josephine Gibson, Dept. 172, H. J. Heinz Company, Pittsburgh, Pennsylvania. Write today.

Advertisement

HEY, MOM... D'YUH KNOW WHAT MRS. PALMER SAID ABOUT MY SHIRT ?
G'WILLIKINS! MY SHIRT CAN'T TALK, MOM, BUT MRS. PALMER SAID IT TATTLES LIKE ANYTHIN'
THE TROUBLE IS, SHE SAID— YOUR SOAP DOESN'T REALLY WASH CLEAN. YOUR CLOTHES WOULDN'T HAVE TATTLE-TALE GRAY, SHE SAID, IF YOU'D ONLY CHANGE TO FELS-NAPTHA SOAP
FEW WEEKS LATER
WHE-E-E, TEDDY, MOM'S SO TICKLED SHE'S TAKIN' ME TO THE MOVIES 'CAUSE I TOLD HER HOW TO GET RID OF TATTLE-TALE GRAY

"Who wouldn't be tickled! My clothes used to look as gray as a rain-cloud and now they're white as snow! It's wonderful the way Fels-Naptha's grand *golden* soap and *lots of naptha* get out every bit of dirt. Fels-Naptha is so gentle I use it for my finest silk things, too. And how nice it is to my hands!"

Banish "Tattle-Tale Gray" with *FELS-NAPTHA SOAP!*

© 1930, FELS & CO.

Millstones

The story of a barn and a brook

ANNE M. PHILLIPS

THERE are in New England many sleepy little villages of venerable years, and a few of them, mid the turmoil and tumult of modern life, still keep their quiet calm and restfulness. Many times we had passed over a road leading off the main, traveled highway in just such a town, but one happy day we spied a gray-brown building having the appearance of a small barn, sitting well back from the village street, and wholly detached from other buildings. A little questioning revealed the fact that it had once been the storeroom for an old grist mill, long ago dismantled and removed; that it stood not more than fifty feet from a gently winding brook which had provided motive power for the mill, and with about ten acres of meadow land and pine, was for sale at a reasonable figure.

A great desire to own all this and to transform it into a modest corner in which to dream and gather about one certain accumulations of old things, resulted in a quick transfer from one to another. We had for some time a minute sum of money in the savings bank and had lately felt that it was too great a burden for the directors to invest it, and right here was a chance to relieve them of this responsibility.

However, repairing and remodeling the building promised to call for the entire sum—possibly more, when the Head Man, who up to now had kept quite in the background, most pleasantly offered to advance the full amount for the purchase price at no per cent per annum.

So the first step was taken, and plans for succeeding steps were quickly made. What a thrill! To be the proud possessor of an estate consisting of a barn crying out for someone to make it livable and useful—meadow and woodland with a laughing brook winding through it, babbling night and day.

Our nearest neighbors are of all ages, quiet sleepers in the village churchyard. "In memory of four stillborn babes" tells its own story. Their friendly ghosts speak of days long gone when this now quiet village was teaming with life and business and the county court held regular sessions here.

To begin with, here is a building forty feet by twenty-four, containing one room open to the roof with plenty of twelve-light windows. Three large hand-hewn timbers cross the room about ten feet from the floor, and at a glance here is the making of a snug retreat "far from the madding crowd's ignoble strife."

Consultations with the local carpenter and mason result in orders to begin work at once, and with the daring of ignorance, we proceed without the aid of an architect. Upon a stout foundation of cobblestones, of which there is a plentiful supply near by, a huge chimney rises in the center of the room, breaks through the roof,

Laughing brook burbles along merrily in rear of Millstones

Millstones found in brook used for doorstep and stepping stone

Sensational, new ADHESIVE SEALEX LINOLEUM

can be laid in 2 or 3 hours — saves up to 20%*

Home economics experts all over the country emphatically approve this new inlaid linoleum!

The new Adhesive Sealex Linoleum isn't just "one more" floor-covering. It's BIG NEWS! You'll see articles in magazines and newspapers by home economics experts, decorators and architects, praising this revolutionary new inlaid linoleum with the *factory-applied adhesive on the back.*

What is all the excitement about? It's about money-saving. About time and bother saving. About new beauty of design!

Just think—instead of messing up a room for a couple of *days*—Adhesive Sealex Linoleum can be laid in two or three *hours*, ready for use.

It *saves* up to 20c on every $1.00 of the old cost. And it gives you a stronger and longer-wearing installation. For the new factory-applied adhesive is distributed so uniformly that it holds every square inch of the linoleum tightly to the floor!

When it comes to *beauty*—well you simply must *see* the lovely "shadow" tiles, the smart "plaid" effects—the gorgeous Veltones with their swirl of subtly blended colors. (Miraculously easy to clean, too, this linoleum, the surface is so *smooth* and sanitary!)

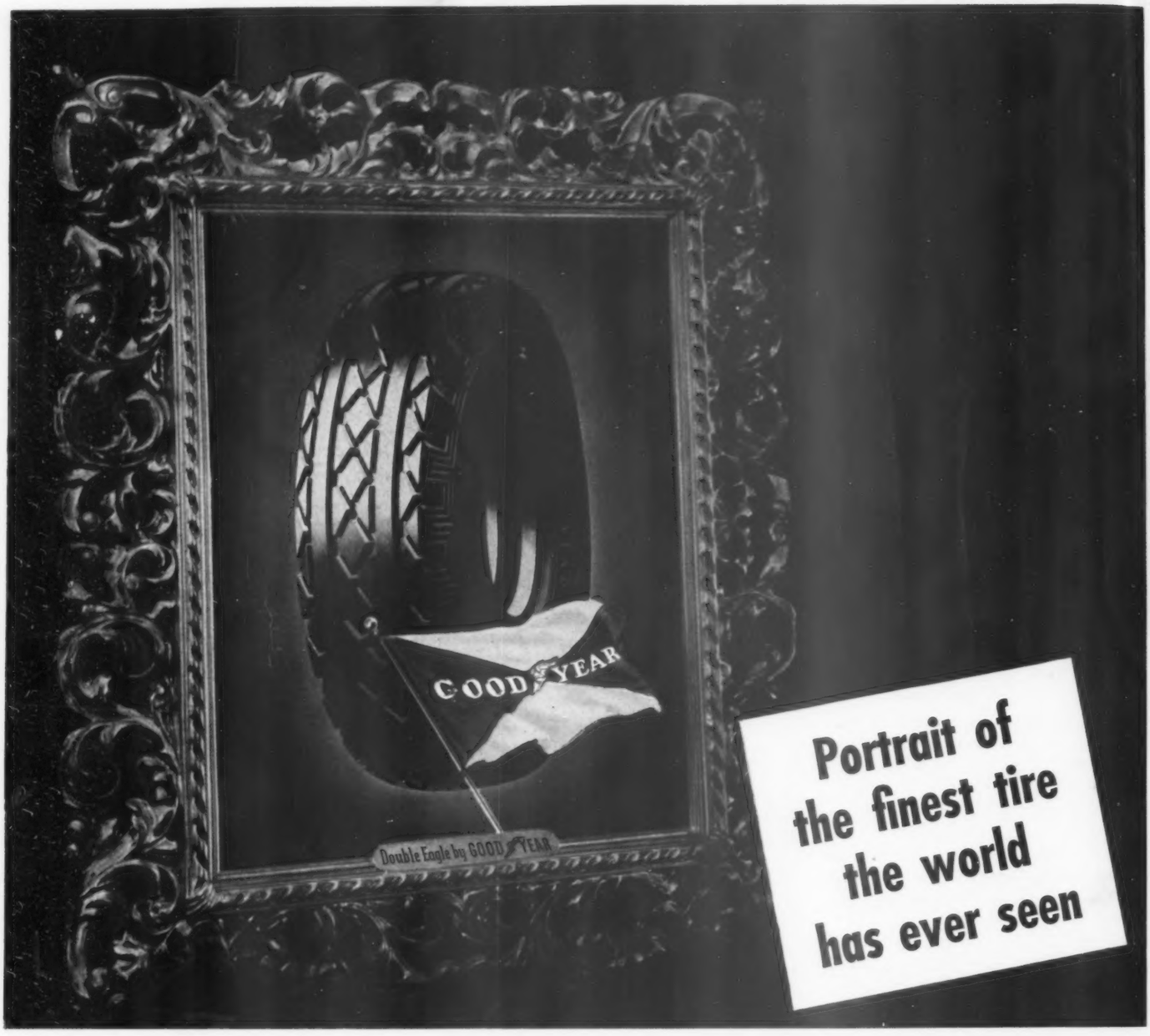
This sensational, new and patented**, inlaid linoleum is now on display at the better department and floor-covering stores throughout the country. Ask to see it—*today!*

**Estimate based on average floor of 15 sq. yds.*
***Patent No. 1,970,503.*

ADHESIVE SEALEX LINOLEUM
TRADEMARK REGISTERED

"Adhesive Sealex is the most popular inlaid linoleum we've ever carried, Madam. The adhesive on the back saves you real money!"
"This new linoleum sure speeds up laying, Ma'am. I just wet the back and stick it down."
"It took the workman only two hours to lay this linoleum, Marion! Isn't that wonderful? And I'm so pleased with the pattern, too!"

The modern Inlaid Linoleum . . . made by Congoleum-Nairn Inc., Kearny, N.J.



LET your glance feast a moment upon this strikingly handsome tire — you are seeing literally the finest tire upon which the human eye has ever gazed.

This, the new Goodyear Double Eagle Airwheel,* is to the average tire what towering Mt. Everest is to its foothills — it is the peak product of the largest rubber manufacturer in the world.

Compressed into this road-gripping, tough-treaded, far-traveling, utterly balanced circlet, is the cream of all we have learned in building 225,000,000 other tires which long have led the field.

This tire will cost somewhat more than other famous Goodyear tires, but to the man who can afford the very best it gives advantages he cannot afford to do without.

We are building this tire at Goodyear to be beyond doubt the safest, most luxurious tire money can command — designed, tested, fitted to the new needs of the modern fast maneuverable cars.

We combed the earth for superior materials and even developed new ones of special strength and temper, then proved these by terrible weeks of test runs on the Bonneville Salt Flats under blistering heat at continuous speeds of 96 miles an hour.

We perfected, not a thick, heavy, lumbering tire—but a supple, flexible, cool-running, easy-riding carrier that would yoke lavish comfort to matchless beauty and endurance.

It will deliver far longer, far safer mileage than any tire we have ever built, even including the famous "G-3."

As companion to the Double Eagle Airwheel, and to make safe surety doubly sure, we recommend that infallible protection against all blowout hazards, the new Goodyear LifeGuard* Tube.

These better-than-necessary products bid for the favor of those who can afford them on grounds of peerless quality only — their mission being not to save money but to save life.

*Registered

EIGHT STANDOUT FEATURES

which lift the new Double Eagle Airwheel above any tire we have ever built

1. The finest, safest, handsomest, longest mileage tire that money can buy.
2. The best-proved non-skid tread pattern in the world, made more efficient.
3. Tougher rubber in this tread even than truck tires, slotted 15% deeper to give 30% longer non-skid life than even the famed Goodyear "G-3."
4. Built throughout of special new heat-fighting compound that frees high-speed travel from tread-throwing risk.
5. Extra rubber "float" for every ply, new "rubber-rivet" breaker-strip anchorage, stronger bead.
6. Supertwist cord in every ply to guard against bruises, fatigue, shoulder breaks.
7. Flexible easy-rolling casing without the tread stiffness common to heavy tires.
8. Built to strictest specifications in industry, in materials, workmanship, balance and inspection.

MORE PEOPLE RIDE ON GOODYEAR TIRES THAN ON ANY OTHER KIND

Photographs by C. Edward Powers

The central chimney with fireplace on one side and kitchen range on other side

and provides a large and beautiful fireplace. Used bricks top the cobblestones, some warmly red, and others blackened from long use. Flat granite slabs of varying colors from a neighboring quarry form a lovely hearthstone.

One edge of the building is petitioned off for a garage, over which perches the bedroom, reached by a rough, open staircase. A fence made of old planks prevents one from falling, when and if slumber's chains have found him. Bright woven bed quilts and hooked rugs hang over the top rail, and our gallery of dreams is indeed quite complete.

Not to be too primitive, a tiny electric engine is installed in the commodious cellar, with the aid of which we have running water from the well a few feet from the house. Concession to safety and convenience made it desirable to accept the services of the local light and power company, but the lights of course hang in old lanterns from the heavy beams, replace kerosene in plenty of old lamps and even shine on either side the huge hand-made door in a pair of lanterns from the pony cart once used by our flock of children who are now scattered over the world.

Shingles were applied to the two unfinished ends of the barn, and the whole was stained a nice, soft brown. On the east end of the ridge pole prances an old wooden horse, veering with the wind, giving us N.E.W.S. of changing weather. Much coaxing was required to persuade a near-by farmer that this gallant steed would make a better appearance, groomed up, broken leg repaired, compass points properly adjusted, and topping our barn, than it did lamely poised on his, but in the end the trade was concluded with satisfaction to both Yankees.

And now, how did it all acquire the name of Millstones? With the discovery of four discarded millstones in various stages of demolition, what else could it be called? The one perfect corrugated stone serves as a top for the well; another broken in two pieces but deftly joined together, makes a lawn seat; one more, also broken in half, is placed, one half for a doorstep, the other under a window, and twenty-one pieces of a fourth millstone were picked from the bed of the brook and arranged fan-shaped leading down from the open door.

All this was accomplished in one summer, and the following one was devoted to the development of a swimming pool. Our brook had for many years been purling merrily on its way to the sea, not much use to anyone, unless its constant ripple over waterfalls and welcoming to its shaggy banks the brilliant cardinal flower and the shy purple-fringed orchid, two of the rarest of all wildflowers, may be called useful. Again with the aid of local men familiar with pick and shovel, stone and cement, a canal was built, not as big as the Panama, but big enough to divert the brook, so that before it once

HOW A MAN OF 40 CAN RETIRE IN 15 YEARS

YOU DON'T HAVE TO BE RICH *to retire some day with enough income to support you for the rest of your life.*

IT makes no difference if your carefully laid plans for saving have been upset during the past few years.

It makes no difference if you are worth half as much today as you were then. Now, by following a simple, definite Retirement Income Plan, you can arrange to quit work forever fifteen years from today with a monthly income guaranteed to you for life.

$200 a Month beginning at age 55

Suppose you decide that you want to be able to retire on $200 a month beginning at age 55. Here is what you can get:

1. A check for $200 when you reach 55 and a check for $200 every month thereafter as long as you live.

This important benefit is available alone; but if you are insurable, your Plan can also include:

2. A life income for your wife if you die before retirement age.

3. A monthly disability income for yourself if, before age 55, total disability stops your earning power for 6 months or more.

This Retirement Income Plan is guaranteed by the Phoenix Mutual, a company with over half a billion dollars of insurance in force and a record of more than 75 years of public service. If you want to retire some day, and are willing to lay aside a portion of your income every month, you can have freedom from money worries. You can have all the joys of recreation or travel when the time comes at which every man wants them most.

The Plan is not limited to men. Similar plans are available to women. It is not limited to persons of 40. You may be older or younger. The income is not limited to $200 a month. It can be more or less. And you can retire at any of the following ages that you wish: 55, 60, 65, or 70.

What does it cost? When we know your exact age, we shall be glad to tell you. In the long run, the Plan will probably cost nothing, because, in most cases, every cent and more comes back to you at retirement age.

Write your date of birth in the coupon below and mail it today. You will receive, without cost or obligation, a copy of the interesting illustrated booklet shown at the left. It tells all about the Plan. Send for your copy now. The coupon is for your convenience.

PHOENIX MUTUAL LIFE INSURANCE COMPANY
Home Office: Hartford, Conn.
Established in 1851

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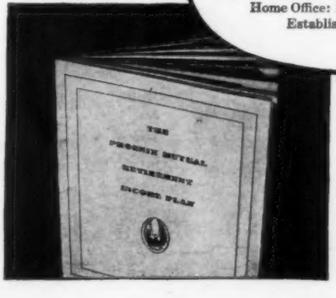

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972 Elm St., Hartford, Conn.

Send me by mail, without obligation, your new book describing THE PHOENIX MUTUAL RETIREMENT INCOME PLAN.

Name_____

Date of Birth_____
Business Address_____

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Via Boston

By Josephine Gibson

THE BROAD "ah's" of Boston greet *real* Boston Baked Beans! From the land of "bean and cod," comes the traditional recipe by which Boston-style beans of the House of Heinz are baked and sauced.

As every good New England trencherman will tell you, there must be pork commingled with the plump, brown beans—sweet, translucent blocks of it well-streaked with lean—and dark molasses flavoring the rich juices. The beans must be baked—really *baked* through and through—in hot, dry ovens.

The baking of the bean has always been important in the home life of New England. There's mention of it in Mary Ellen Chase's fine new book *Silas Crockett*. The scene—afternoon in the old Crockett house almost a hundred years ago. Solace and Abigail are sewing before the birch fire in the sitting room. Snow outside, melting and settling before a high March wind . . . The tall clock ticking . . . and from the clean, orderly kitchen, the warm, rich smell of beans baking in the brick oven!

Dear days—but not dead days! For tonight, in your own home, you can serve the same sort of a baked bean supper that made New England famous. For beans — truly Bostonian beans—are one of the Heinz 57 Varieties. They come in the yellow labeled tin, and they require only heating before serving!

If you don't happen to have little individual Heinz bean crocks like those pictured, ask your grocer how to get them. Fill each with Heinz oven-baked beans, Boston-style. Heat in a moderate oven—then serve piping hot!

But let me caution you. Always be sure to get Heinz beans. Heinz beans are oven-baked, as real Boston beans must be. It's this slow, oven-baking that brings out all the delicious bean flavors and blends them with the toothsome succulence of molasses and tender pork!

Why not plan a New England Saturday supper this week? Invite your friends. Serve Heinz oven-baked beans, Boston-style, in Heinz individual bean pots. Boston brown bread, steaming hot, with plenty of butter, adds authenticity. And for the final touch, crisp, crunchy slices of Heinz fresh cucumber pickle!

Come, now—drop a note to your intimates and tell them, "Next Saturday at seven; an old-fashioned dinner—via Boston."

ADVERTISEMENT

more found its way to the Atlantic, it must fill a smiling pool to the depth of six feet, and, rioting over a dam built of moss-covered stones, glide merrily on its way.

One last look inside the open door, and our story ends. All the furniture, and in fact everything inside is old, breathing of association with the past. The cookstove that pokes its nose into the big chimney was made in this very town in 1868. Shining copper and brass pots and kettles hang near by. Old maps and prints and well-worn books mostly picked up at auctions, find places on the unsheathed walls and rude shelves. A spirit of old-time fellowship and homeliness is encouraged by the framed mottoes of cardboard and worsted on the walls, "Little Church Around the Corner," "Kind Words Can Never Die," "Love One Another," "God Bless Our Home," all worked in soft colors by hands long stilled. Most appropriately in the master's bedroom in the balcony there hangs over the pair of farm beds with their red and white counterpanes the welcome suggestion, "Good Night and Pleasant Dreams," and as the old clock on the village church chimes out the hour, we let sleep weigh our eyelids down and steep our senses in forgetfulness.

They said—"it *couldn't* be done"

[*Continued from page 39*]

Sargents—and from the writer's widow I bought them for a dollar and a quarter. *Now* I come to my four "buys:" first, the easy chair by the window—and what a sight it was on high casters and four buggy springs bringing the seat way up in the air! Off came the casters, on went domes of silence. Off came the springs—and out came the slip seat and back. Then the frame was scoured, the good black hair sterilized and replaced over new webbing. Back and seat were covered with clean sateen from my piece box—and seat and back slipped into place and fastened. The old chair had good lines; a slip cover would do all that was needed. First some newspapers and a pattern to order—then the cover from remnants—black ground and pink flowers, green and brown leaves, just such a calico as one might have found in Washington's time—and the slip was made. Six yards at nine cents a yard, plus a piece of black binding and some thread was all I needed. Tacks, webbing, domes, chair, and cover came to only $3. My second "buy"—the plain country Heppelwhite card table of maple and birch. It sits between the two south windows and, open, serves admirably as a writing table. The junk man let me have it for $5. Third, my couch—and that really gave me concern as the space was so short. A New Hampshire roped sofa extended over the doorway—an Angee bed was even much too big. What could I do? And there in a small dealer's barn was set up the dearest of trundle beds, with posts of equal height, and but sixty-three inches long. It was mine for $1.50. I paid another dollar to have head board removed, all holes filled and the bed narrowed. A youth's inner spring mattress and a top mattress make is a joy for $10 more. Green denim, nearest to the old-time serge, made the eighteenth century cover, a pad for the Windsor chair with the bad seat, and the covers for the pillows, and cost but $1.75; the old patchwork pillow and the pillows of good feathers, sterilized and new under covers, $1.25 more. Now my fourth "buy:" the Sheraton comb-back Windsor rocker. I would never have found it but my car needed water. The farmer's wife looked at the old chair in the car and said, "Maybe there's something in my attic you would like"—and there was. She set the price on the rocker—$3, all original but one spoke that had been replaced. There was on it, however, sufficient coats of paint to have made it come over in the Ark. I had spent seventy-four of my precious hundred—scraping, refinishing, and sewing myself. I still needed lamps, mirrors, and so forth. I found a black glass base lamp, with a clear blown glass globe for $3 and at an auction bought the black glass base mate—a perfect match. At a dealer's I found the clear glass blown globe. When the two were complete and wired, they stood me $6.40. Two parchment 12" shades—bought at the factory—were sixty cents. A few minutes of my time added the birds, copied from my old Bennington jug. The large mirror frame, black and gold leaf, cost me nothing but time, patience, and glue to put it together. I added the picture top on glass, and the mirror—$2. The two old tinsel pictures, very decorative, one in an old gold leaf frame and the other in black and gold leaf frame were $2. My "Eagle" picture mirror, with gold leaf frame, came from an old house in town—$3; my "Soldier's Dream of Home" over the couch, gold leaf frame—$2. My brass candlesticks on the mantel were $2 and the little face screen $1. The odds and ends of old Majolica—all perfect—the highest in price, seventy-five cents; the few pieces of old imported Bristol glass, the two pieces of early American glass and the old pottery and boxes came within the remaining nine dollars.

My "setting room" is homey—of the age of the old house—the

A New Helper for the Kitchen

WIPING POTS AND PANS—ScotTowels quickly wipe off grease and soot. Use, then throw away—nothing to rinse out afterwards! They save your good dish towels.

DRAINING FOODS—Absorbent ScotTowels are convenient for draining grease from bacon and other fried foods.

So Thrifty—only a Penny a Dozen!

PAPER TOWELS for the kitchen—such a convenience! Less rinsing of messy kitchen cloths. Fewer dish towels to wash. Instead—a fresh, clean ScotTowel always ready when you need one!

You'll find many new uses every day for these ScotTowels. Here are just a few that make your kitchen work easier:—

Mopping up spilled liquids
Greasing cake pans Slicking up the sink
Dusting Polishing mirrors

And, when there are children in the home, ScotTowels are especially helpful because they save your good linen towels from finger marks left by "half-washed" little hands.

Made of "thirsty fibre"—an exclusive Scott Paper Company development—ScotTowels are twice as absorbent as ordinary paper towels. They really dry.

ScotTowels are on sale at grocery, drug and department stores. 2 big rolls 25¢, 150 towels on each roll. Or, write Scott Paper Co., Chester, Pa.

INTRODUCTORY OFFER

If you cannot buy ScotTowels at your favorite store, send the coupon to Scott Paper Company—and you will receive:

2 Rolls of ScotTowels and one Fixture for **50¢**

6 Rolls of ScotTowels and one Fixture for **$1.00**

(This offer applies only to the U. S., its insular possessions and Canada.)

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If your dealer does not sell ScotTowels, send us 50¢ (money or stamps) and you will receive postage paid—

2 ROLLS OF SCOTTOWELS, AND 1 ENAMELED FIXTURE,
or SEND $1.00 FOR 6 ROLLS AND ONE FIXTURE

Check color of towel fixture desired: ☐ ivory ☐ pale green

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A3

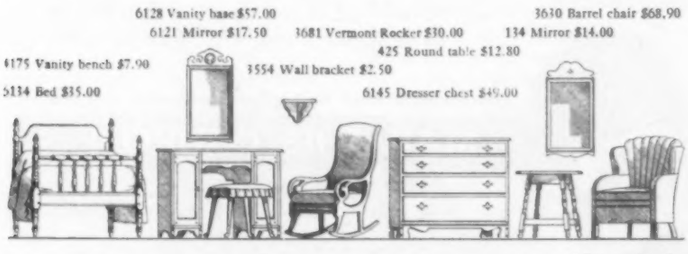
DREAM ROOM FOR TWO

A bedroom in maple—sunny, cheerful Whitney Maple. Strong to endure; simple, sincere, genuine in design.

Your nearest Whitney dealer will show you these very pieces, this very room—a true "dream room for two". Ask him to point out the many unusual little refinements in cabinet work exclusive with Whitney. Note the unusually sturdy construction. *Feel* the satin-like finish with your fingertips.

Then you will know why Whitney furniture is called "maple at its best", furniture which faithfully reproduces the best work of the cabinet-makers of early American days.

If you don't know who your Whitney dealer is, we shall be glad to tell you. Just write us — but in the meantime, glance at the moderate prices* below. W. F. Whitney Company, Inc., South Ashburnham, Mass.



**Prices slightly higher, Denver and west.*

★WHITNEY★

Whitney Maple for Canadian markets made by
ANDREW MALCOLM FURNITURE COMPANY, LTD., *Listowel, Ontario*

covers are soft—and ever bright with sunshine; a room good to work in—good to play in—and, judging from the length of time my neighbors stay, good to "set" in—and all for a hundred dollars!

My Guest Room

Now come with me into my little guest room just as it might have been some eighty years ago, when grandmother was a little girl and the attic had just been finished off. Such a tiny room, a good closet, a window facing east overlooking the garden, cream walls, white woodwork, painted old wide pine-board floor, and sunshine to be manufactured. It really was a dare to do the room for $50. But—because they said "it couldn't be done"—I was keen to try. The furniture would have to be of the old painted yellow type to bring warmth and glow, so I began.

I found a spool bed 3′ 3″ wide, equal head and footboard, with natural color varnish, at a neighbor's for $5. Coil spring, mattress, and pillows, all new, for $15 more. An old washstand painted yellow and grained became with cardboard top under the blotter a fair desk, all for a $1.50. Two spool chairs, seats perfect, finished with natural color varnish, $2 for the pair. A rocker of the same period, same finish, for $3. A disreputable light stand for fifty cents, a bit of matching paint, and crude graining, applied after re-nailing, restored it. My painted bureau was but $3, all in order. The two picture-top mirrors, both restored to maple finish, $4. The flower and Godey prints in old pine frames a $1. The green glass lamp of Lincoln's day with Adjusto and shade, with a bit of painting, $2. The old hook rugs with putty ground, green and black scrolls, and old pink and yellow flowers, came to $9.

Now I had warm furniture, color in lamps, pictures, and rugs and I was ready for my bed cover and window drapes. The butter-cream cretonne with pink and green posies at sixteen cents a yard, scalloped and bound with green, with thin under curtains of marquisette, I made for $2. And my last $2 went into small pieces, vase, rose bowl, and trinket box to tie the room together.

In these days of constant change, it's good to live in a house that has gone on serenely for a hundred and forty years—and better to have a tiny bedroom under the eaves—just as it might have been when the house was young. Blankets in summer testify to the cross draft. Two ample closets provide for my clothes and dressing needs. The walls are painted cream and the wide pine-board floor drab, the woodwork is white, and now to the furnishings for my hundred dollar bedroom.

First my bureau bought at the village "antique shop" with the man insisting, "It's only pine, nothing you'll want." But I couldn't push it with my shoulder, so I chanced it. Mended, and with a base of old maple, it's a joy. The front is all curl, the balance rock maple, old hand-turned knobs, and it stands me but $10. Over it hang silhouettes of my two daughters, cut but twenty years ago, the only new things in the room. But because of their sentiment, they have become part of it. The old curtain-top picture mirror I bought in Maine from an old, old man in an older house. The kitchen mirror he called it. It hung in the same place behind the kitchen stove some ninety years and was ancient when his father bought the place. I paid a $1 for it, added much cleaning and a new glass, total $2. The arrow-back chair, painted coffin red, comes next, at $3. Over it hangs a pink and green tinsel (flower) with white spatter back ground in a pine frame. Also an old salt box of pine that houses my dusters—the two were less than a $1. The candle stand, "birch and maple" was a buy at $5, as was the old harp tinsel, framed in pine that hangs above it, at a $1. The hat brush in old deep-red velvet, a gift, made long ago by the Shakers. The brass candlestick with the slide to raise and lower candle was a $1.50. My bed is unusual, having no head or footboard, only the turn rail between the posts. It is three feet wide, maple, of course. Equipped with new coiled springs, Kapox mattress and two generous pillows, it came to $40. The candlewick spread, all white, with matching curtains, came to another $5. The small quilt or quilted throw, $3.50. My old chest with ball feet and double keepsake box had one patchwork pillow and two pillows in old mulberry sateen and altogether, total $4. The big chair still with its coffin red paint and original seat and the mirror behind, $10.

The hooked rugs are soft and colorful, all on putty ground with deep mulberry, dull greens, pinks, and deep blue tones. They bring out the best in the old coffin red chair, the tinsels, the picture mirrors and the glass. (The glass being part of my collection of Raspberry Red, I have not priced.) The quilt and cushions are the same tone of mulberry. The room is quiet, colorful, and convenient, quite all one needs, even in our restless day. As restful, I believe, as when the house was young and as I hope it will be restful a century to come.

What I have done anyone can do. First your mind picture, then your pieces to fit. Antiques, if you will pick and choose, can be so satisfying. I do wish you'd try—it's great fun!

Decorate from the floor up!

Moralists and decorators agree you should start at the bottom for success! Your floorcovering is the largest piece of fabric in your room... the furnishing that will be *lived* with longest, very likely... and the key to the character of your home.

So choose your rug or carpet carefully from among all the gorgeous Bigelow variety, and let your decorative scheme unfold from that "key."

And for decorating advice that's as practical as a cook-book, ask in rug departments for your free copy of "Bigelow's Folio of Room Recipes."

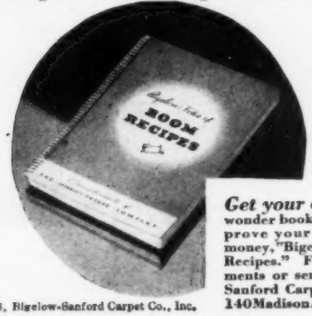
Furnishings that are definitely masculine and useful in design distinguish this boy's room which was planned from Room Recipe No. 1 of Problem No. 15 in "Bigelow's Folio of Room Recipes." The plaid rug in beige and brown is a Bigelow Fervak.

"The One-Room-and-Bath for Bachelor Girls" (Problem No. 12) offers fascinating possibilities. Room Recipe No. 1 calls for a lovely color scheme of gray, burgundy and rose, and wall-to-wall carpet of Bigelow Lokweave * Broadloom in burgundy, with gray monogram set in and invisibly seamed. (*Sold and installed under Collins & Aikman license.)

A few simple changes—and you can make your room modern with what you have, without spending much money. (Problem No. 18 in the Folio). Here the transformation has been accomplished through white walls, new slip covers, occasional pieces of furniture, and by covering the floor, wall-to-wall, with Bigelow Firmtwist carpet. The scatter rug is a Bigelow Crescendo.

A liberal use of design and color will do wonders for a bedroom that looks bare (Problem No. 5, Room Recipe No. 1). With gay spreads, a Bigelow Nantasket rug in hooked motifs is perfect.

RUGS & CARPETS BY
BIGELOW
WEAVERS



Get your copy! Here is the wonder book that helps you improve your home for a little money, "Bigelow's Folio of Room Recipes." Free in rug departments or send 10c to Bigelow-Sanford Carpet Co., Dept. 3 A, 140 Madison Ave., New York, N.Y.

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JOHNS-MANVILLE *Cedargrain Asbestos Siding Shingles*

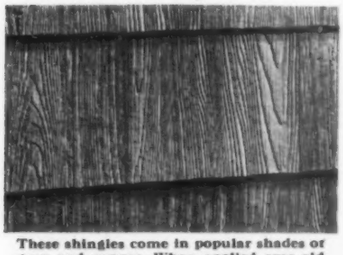
—provide charm and texture of finest wood . . *fireproof, permanent*

THESE J-M Cedargrain Siding Shingles actually grow more beautiful with time. They will not rot, corrode or burn.

Through faithful reproduction of grain and texture, they provide all the charm of weathered wood, with irregular butt lines. They combine the attractiveness of split wood shingles with the advantages of being fireproof and permanent.

Landlords, realtors and home owners will find these shingles not only a great economy in building, but great restorers of rental and sales values as well.

Look into this ideal way to relieve yourself of all future siding expense. Catalog also pictures and describes many other J-M building materials.



These shingles come in popular shades of gray and copper. When applied over old side walls, they completely transform the exterior of the house.

FREE!
Johns-Manville Book on Building Materials

Johns-Manville, Dept. AH-3, 22 E. 40th St., New York, N. Y. Send me your free book, "40 Points You Should Consider in Building Your New Home," describing Johns-Manville Building Materials, with a section specially devoted to J-M Cedargrain Siding Shingles.

Name_____

Address_____

City State

—and these you buy ready made

[Continued from page 19]

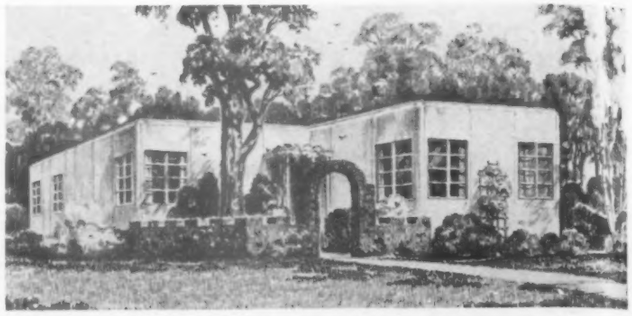
code in your town or city permits the use of this type of construction and these materials and if the fire underwriters approve their use. This does not mean that they are faulty or unacceptable. It simply means that the codes have to be revamped to permit this new type of construction, for the codes in many places have not kept pace with the new trends.

Let us examine some of the materials and construction that enter into a prefabricated house. The prefabricated parts are manufactured in various factories, delivered to a centralized warehouse and shipped by rail or truck to the site where they are assembled by local labor under the direction of a representative from the prefabricating company. It takes approximately two or three weeks to construct the house.

Foundations: The foundation and first floor are constructed of concrete with an air space of approximately eighteen inches between the ground level and the bottom of the floor. The majority of houses of this type of construction have no cellars. Excavation is thereby reduced to a minimum. A concrete wall carried well below the frost line is needed as a support for the structure. In cases where cellars are desired, perhaps for an added recreation room or for a garage, if the topography of the plot permits, the foundations are essentially the same as used in regular house construction.

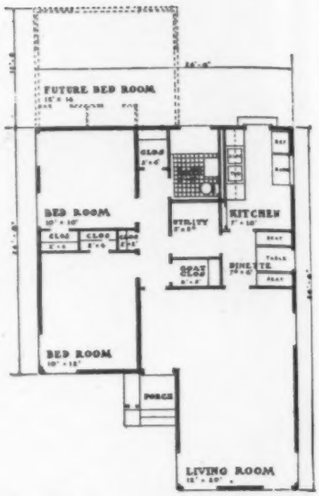
Frame: Prefabrication permits a frameless as well as a frame construction. The framing generally consists of steel in one of the following forms:—tubular studding, channel irons, angle irons or I-beams. These are either welded, riveted, or bolted. Reinforced concrete studs are also used and poured into position simultaneously with the wall construction. One of the frameless types is made of sheet steel channels so arranged to form a flat hollowed wall.

House construction of Gypsum lumber, a product of the Rockwood Corp. Above, laying floor units for a new house



Insulated; fire, termite, lightning, and hurricane proof—this house is assembled in one or two stories, with or without cellar, and enlarged to any size in multiples of two feet. National Houses, Inc.

Outer walls: Here we have a multifarious choice of ideas running from wallboards through to the various types of precast and synthetic materials. Here also is where the modern insulating materials are used to best advantage. Wall units are delivered to the job ready for installation. They are sheets, panels, or units of workable sizes of various combinations of materials. Some require an additional outer protection while others are complete in themselves. Of the former there are the panels made up of pure cork secured to the steel framing by steel clips and the precast gypsum block with vertical tongue and groove joints, hollowed to provide insulation and to permit of reinforced concrete fill for structural members. These types are covered with a finish of stucco, brick, or other standard materials. Of the types where additional outer protection is unnecessary there are: panels made of Celotex to which is cemented an asbestos board covering on both sides; the reinforced concrete panels secured to reinforced concrete studs with air pockets between studs; copper panels secured to one half inch Celotex board. The edges of these panels dovetail. Others are panels of sheet steel treated with a protective coating of a copper alloy,



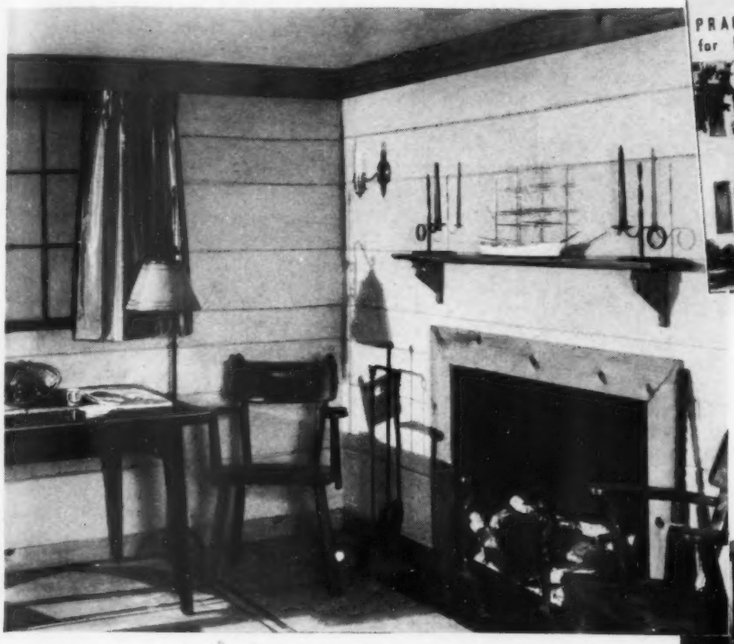
bolted to steel studs; Celotex panels enclosed in treated steel sheets; panels of artificial stone secured to the steel frame by a patented binder.

Flooring: In cellarless houses reinforced concrete is used for the first floor, wood sleepers are embedded in the concrete to which is nailed the finished flooring. Other types are the frameless steel floors consisting of sheet metal in the form of Z-bars bolted together, floors of various steel members built up of channel irons, angles or I-beams, on which are secured gypsum, concrete, or patented precast slabs to which is secured the finished flooring.

Interior partitions: These are constructed of one of the light weight steel sections, gypsum plank, and the various kinds of wallboards. They are covered with either plaster or one of the synthetic wall coverings. Some are left natural.

Roofing: Both flat and pitched types are used. Flat roofs are made of gypsum plank or some other form of precast reinforced slabs covered with built up roofing. On the pitched roof a nailing material is incorporated as part of the roof slab to receive one of the regular roofing materials, such as slate, tile, asphalt shingles, etc. In many houses the walls and ceilings are insulated with either loose or compressed insulating material such as rockwool, spun glass, balsam, and others of the compressed board and metalized paper types.

Do you want the *Latest Ideas* to make your home *modern and comfortable—cheaply?*



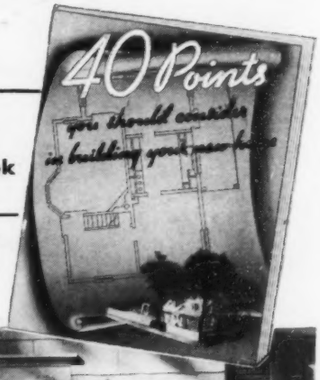
● **Unused space in the basement can become a cheerful extra living room at *small cost*. Johns-Manville Insulating Board for the ceiling and Johns-Manville Asbestos Flexboard for the walls do the trick effectively, as shown above.**

Thinking of REMODELING? Then send for this FREE BOOK!

This fascinating book describes and pictures the many things you can do, *cheaply*, to "fix up" your home, make it more attractive and up-to-date . . . livable.

Thinking of BUILDING A NEW HOME? Then this book is yours, FREE!

. . . and this illustrated book explains how to go about financing your new home and gives suggestions to help you build soundly.



● **Charming Johns-Manville Asbestos Cedargrain Siding Shingles look just like the finest weathered wood. They are fireproof, will never require painting . . . never wear out. In remodeling, go on over old shingles or clapboards.**

THE "101 BOOK," above, is packed with *all* the latest ideas and pictures on how to "fix up" your home, *inexpensively*, with Johns-Manville materials. How to put a useful room in the bare attic; fix up the basement; put on a new roof of asbestos shingles that will never wear out; make your shabby kitchen or bathroom gleaming, cheerful with colorful asbestos wainscoting; insulate your home against heat and cold; and dozens of other ideas for *remodeling*.

Or if you are planning to *build*, you should send for the "40 Points" home-building book.

Above all, this book tells you how to have a "Triple-Insulated" house by using the latest J-M materials. It tells you how the well-built, 1936 *quality* home is protected against *fire, weather, wear;* how your architect and builder can help you; how to arrange for the financing; and many other things you will want to know about building.

And these books tell you how to go about financing the work under the terms of the National Housing Act, *the lowest terms in the history of home financing.*

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● **J-M Rock Wool Insulation saves fuel. In "bats," as above, or blown into hollow walls.**

● **Beautiful, modern bathroom with gleaming "tile-like" J-M Asbestos Wainscoting.**

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Johns-Manville
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Send for either book—FREE!

Johns-Manville, Dept. AH-3, 22 East 40th Street, N. Y. C. I am planning to remodel my home. Send me the "101 Book," free ☐. I am considering building. Send me a free copy of the "40 Points" book ☐. I am especially interested in Home Insulation ☐; Insulating Board for extra rooms ☐; an Asbestos Shingle roof ☐; Cedargrain Asbestos Siding Shingles ☐.

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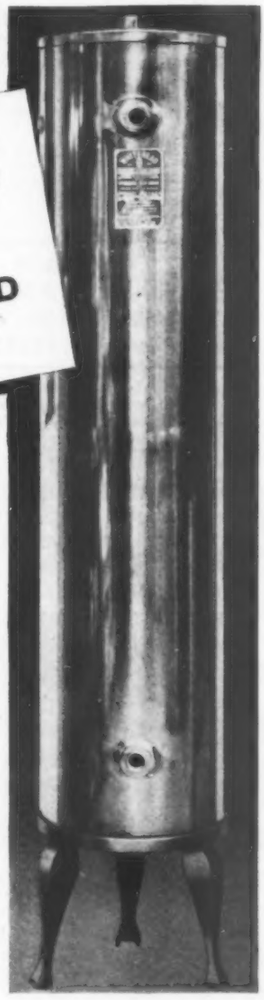
There's more reason than rhyme for buying a Rust-Proof Tank of Monel Metal

GUARANTEED 20 YEARS!



GO DOWN into your basement right now, Mr. Home-Owner, and look your old hot water tank "square in the eye."

It's a matter of record that the ordinary tank rusts out in a short time. For all its innocent appearance, it's more than likely to be full of rust-rot and corrosion. From its appearance outside *you* can't tell what it's like inside.

But ask your plumbing contractor. And ask him how many such tanks he has to replace *in a hurry* every year. Then ask him if it is possible for a Monel Metal tank to rust.

He knows from experience... with Monel Metal tanks and water heaters, as well as sinks and cabinet tops...that Monel Metal cannot rust, that it stubbornly resists every form of water-caused corrosion, and that it is stronger than steel. Those are all reasons why a Monel Metal tank can be and is *guaranteed for 20 years.*

Why wait 'til your tank "rusts and busts." Call your plumber now and tell him you want the safety and peace of mind that come from having a Monel Metal tank in the cellar.

If your plumber can't supply you, write direct to the manufacturers of Monel Metal tanks, water heaters, sinks and kitchen cabinets—the Whitehead* Metal Products Co. of New York, Inc., 304 Hudson Street, New York (Showroom: 101 Park Avenue).

This is a Monel Metal hot water tank, sometimes called a range boiler. It is always as unrusted inside as it is outside. Sizes from 25 gal. up. And 50 to 100 per cent stronger than ordinary tanks. Ask your plumbing contractor which size you need. *Reg. U. S. Pat. Off.

• • •

Monel Metal is a registered trade-mark applied to an alloy containing approximately two-thirds Nickel and one-third copper. Monel Metal is mined, smelted, refined, rolled and marketed solely by International Nickel

THE INTERNATIONAL NICKEL COMPANY, INC.
73 Wall St., New York, N. Y.

MONEL METAL

Prefabricated houses are constructed from architects' plans, each designed to meet the individual requirements of the prospective owner. They are also constructed and completely assembled by concerns who furnish any one of a number of their own standard designs. However, the general consensus of opinion among the prefabricating concerns is that the architect will play a large part in bringing this new type of building into actuality.

Suppose we consider an entirely prefabricated house such as one that would be furnished by one company and set up on the lot under that company's supervision. The actual construction would be as given in detail previously, with or without a cellar, a steel frame anchored to the foundation wall. The tubular steel studding supports the beams for both the second floor and roof. The exterior wall units are of standard length and are four feet wide, made up of cement asbestos covering a Celotex core. The exterior trim and outside joints are covered with a moulded aluminum panel strip which conceals all the joints. The flat-type roof, whose beams are covered with a reinforced composition two inches thick and finished with a topping of cement on asbestos, is used as a sun deck. Steel casement windows are operated from within by means of a small crank. They are equipped with curtain rods and hinged screens. Windows are located in the corners of the rooms which makes for better ventilation and light.

The finished floors of hard wood are secured to floor beams covered with a two-inch reinforced composition. They are in themselves a prefabricated wood fibre compressed into unit sheets. The interior partitions are covered with a washable wall covering which can be obtained in many designs and colors. Both walls and ceilings are sound proofed.

The furnace, oil-burner and hot water tank, and thermostatic controls come practically as one unit. This mechanical unit is installed in a utility room around which is built the kitchen and bathroom. This room contains the air conditioning, heating, and plumbing. The plumbing consists of simplified, prefabricated elements for the bathroom which are delivered prefitted and ready for complete assembly. The electric and mechanical devices come complete in one large metal cabinet.

The kitchen section of this unit comprises the electric refrigerator, sink, laundry tub, and stove. They are all built into an enamel, insulated steel cabinet. The top of the cabinet is a continuous work space. The stove can be either gas or electric. There is ample storage space provided and no waste space whatsoever. This all helps to make the kitchen a unified, well lighted, well planned, and cheerful place to work in. The mechanical and electric equipment are time and labor saving devices. With the new electrical rates recently put into effect in various parts of the country, it would be well to look into the merits of the electrical range and the dishwasher. An electric clock and an exhaust to remove cooking odors are built into one of the cabinets. All closets and cabinets are of enameled steel.

The bathroom unit includes, besides the enamel steel wall covering, the lavatory, medicine and utility cabinets, tub and toilet, shower and shower curtain. Both kitchen and bathroom are illuminated by indirect lighting. In the larger houses a laundry unit consisting of an electric washer, laundry tray, and metal storage cabinet is installed in the utility room.

The exterior of the house has a warm gray color which requires no painting. It can, however, be painted any color desired with a trim to harmonize or contrast. In this house, the builders go so far as to leave on the kitchen shelves a supply of staple foods, and in the bathroom a supply of toilet articles to take care of the new home owner upon his occupancy. I do not know if the radio will be playing when the new owner walks in, but I do believe that it is one of the built-in features.

Temperature 70° —always

[*Continued from page 20*]

blown or dumped into spaces between framing in walls and ceilings of old houses and installed in "bat" form in the same places in new buildings. Fill-type is quite efficient and when made of rock or mineral slag is said to be fireproof. It has been popular in the insulation of old houses because of its easy installation in side walls as well as in roofs.

A fourth type has recently made its appearance on the market. Called "reflective type," it performs the function of insulation by reflection rather than conduction. In other words, the first three types mentioned slow up the passage of heat through them because they contain "dead" air. Reflective type turns heat away from its bright shiny surfaces, just as light is reflected from a mirror.

That is your selection of materials with which you can insulate your present home or the new one you will build. These types of insulation all accomplish the same purpose: they make a building more livable, less drafty, easier and less costly to heat.

Styled for the *Smart American Scene!*

BY RIGHT of pre-eminent quality, distinguished style and every fine-car feature, the new Oldsmobile naturally and proudly fits into the smart American scene . . . Spacious and tastefully appointed, inside and out, it is personally appreciated by those who know and dictate the fashion . . . Its brilliant performance and its complete array of modern features—Knee-Action Wheels and oversize Tires for *comfort,* Center-Control Steering and All-Silent Shifting for *driving ease,* Super-Hydraulic Brakes, "Turret-Top" Bodies and Safety Glass for *safety*—more than fulfill the most exacting requirements . . . A further good reason for choosing "The Car that has Everything," is that the big new Oldsmobile—Six or Eight—is very modestly priced.

Sixes $665 and up . . . Eights $810 and up, list prices at Lansing, subject to change without notice. Safety Glass standard equipment all around. Bumpers with guards, spare tire, and rear spring covers built into all cars at the factory at extra cost. Car illustrated is the Six-Cylinder Touring Sedan, $820 list. New 6% G. M. A. C. Time Payment Plan. • A GENERAL MOTORS VALUE

OLDSMOBILE $665

"The Car that has Everything"

WHY SHOULDN'T YOU AND THE

Peacocks

BOTH BE PROUD?

THEY'RE ON THE WALLPAPER and *you* can have it on your walls. This is a motif from one of the hundreds of new Imperial papers that have set leaders of fashion and design talking enthusiastically. There's great and exciting variety, papers to make you see possibilities in your rooms all over again. Gracious field flowers against the loveliest of rose color, or an authentic, neat Colonial pattern in mellow browns, or a design that's modern and dashing. Of course, they *should* be breath-takingly beautiful, for they were created especially for Imperial *Washable* Wallpapers by the outstanding designers of the country . . . artists such as Paul MacAlister, Helen Dryden, Baron and Baroness von Schenk.

The tremendous resources of Imperial which include the most modern laboratories in the world for color research and wallpaper development, make possible other important values: wallpaper that is guaranteed washable and fast to light . . . wallpaper of the finest quality at the most reasonable price. You can see why you should be sure to see Imperial before you make up your mind. The silver label on each paper, which identifies the genuine, is your protection.

IMPERIAL *Washable* WALLPAPERS

Jean McLain will gladly help you select the most suitable and lovely paper for your particular needs. Her service is free. Give her as much information as you can, as suggested below. She will write you specific advice on your problems and send you samples of the wallpaper she suggests, as well as give you the name of the most convenient place to buy.

Jean McLain Department A-5, Imperial Paper and Color Corp., Glens Falls, New York

GIVE HER THIS INFORMATION FOR EVERY ROOM:

Name Room here				
Size (Large or Small)				
Sunny or dark				
Period of Furniture				
Color Preferred				

Name_____

Street_____ City and State_____

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FRANCHISED DISTRIBUTORS, DEALERS AND REGISTERED CRAFTSMEN EVERYWHERE

American design for American homes

[*Continued from page 26*]

Borders or contrasting or harmonizing colors can be added, or simple designs of any type inlaid to make it a real "custom-made" carpet for your own especial needs.

A second large rug classification, and one which heads the fashion list now, are the texture rugs. This is where the machine and the designer have joined hands to achieve character and real distinction in floor coverings. Sometimes they are adaptations of old weaves found in fabrics; at other times they are clearly the work of experiment with machines, for we have discovered that looms can bring out all sorts of interesting effects which have never been conceived before.

Rugs have wide scope

These textured rugs are being used in every type of room, from the simplest Early American or cottage room to the most sophisticated modern. The piles are thick, of heavy sturdy wool yarns; sometimes they are in looped piles, like old hooked rugs; sometimes they combine both the looped yarn with a cut pile to form the suggestion of a pattern. There are smooth, pebbly surfaces; deep heavy piles, like hand-tufting; ribbed weaves; shaggy piles like animal skins; and even long, looped piles like string you have been knitting into sweaters. Often the machines have simulated textures through gradations of color; while the surfaces are smooth, the effect of varying depths of pile is so real that only upon close inspection does one realize that the textured appearance is simulated.

These new textured rugs are having a quick acceptance. Many women like them because they are easy to keep clean and do not show footprints as readily as plain-surfaced rugs. While they are still in the "plain family" group in that while they are not markedly patterned, they still offer design interest that adds considerable charm to room schemes. And many of the new textured rugs are no more expensive than the solid color types.

Before discussing some of the other new developments in floor coverings, it might be said that a smart, decorator thing to do in combination with a plain-surfaced rug is to use two or three of the heavy, textured, shaggy scatter rugs as accents, both color and weave, before a fireplace, a lounge, or a doorway. These "accent" rugs and add infinitely to the luxury of a room because of their great beauty.

Let's go back to 1929 again. Can you remember seeing even one native rug in any of the retail stores? By "native" is meant rugs derive from peasant or folk sources. one wanted such a rug, antiq shops had to be searched, and ev trips made to sections of Ameri or foreign countries where su rugs had been made. A room-size hook rug in an Early America design would be out of the que tion. And yet today almost eve manufacturer has a group of Ear American rugs in hooked desig made on machines. Their colo have often been stylized to harm nize with our wallpapers, fabri and accessories. Some faithful reproduce the old colors wi charming effect.

The acceptance of the Ear American hook type has be country-wide, so that more late still manufacturers have been e couraged to look to other prim tive sources for inspiration, adap ing to present-day use rugs ma in Guatamala, Scandinavia, H land, Greece, the Balkans, Spai Austria, England, France. Whi these are still primitive in feelin many of them have a new spirit b cause they have been reinterprete and adapted by American d signers. This type of rug is oft used in modern rooms, as well in such provincial settings as Ear American, Swedish, Californi Mission, French provincial, an with very smart effect. Ev Scotch plaids have come into the own in floor coverings, giving ne interest to the Spanish or Itali oak room where once only Orient types were used, as well as in oth room types.

Where one once thought of A minsters in terms of red and bl roses, today's Axminsters ha adapted period designs to the poi where no matter what period room may be furnished in, there an Axminster to fit into it. A ne development here this season is adaptations of Chinese rugs in o own colors. The designs have be simplified and restrained; perha left only to the two opposite co ners, or used only as a centra motif, with the mass of the rug a solid color. Borders are bein eliminated to enhance the feelin of spaciousness in a room. Wilto once the old standby, lost the popularity for awhile because their limitation in color and desig Lately, however, manufacture realizing the wearing qualities Wiltons have given a new feelin to them, one of the oldest fabr types in the market.

Summer rugs

Even the erstwhile flimsy su mer rug which one hated to p down even for a season's use h

Print in binding

first Picture

OF GORHAM'S NEWEST PATTERN IN SILVERPLATE

MARLBOROUGH

Coffee Pot	$20.00
Sugar Bowl	13.50
Cream Pitcher	13.50
Tray	15.00

GADROON AND SHELL

Meat Dish	$22.50
Double Vegetable Dish	35.00

Any of the suggestions on this page will make a lovely present for a Bride

BRIDES of this year of grace, 1936, are definitely going "romantic" in wedding silver. And the decorative charm of this newest design in Gorham Silverplate exactly answers this new taste of the younger people. It is sensitively designed and beautifully modeled.

True to the Gorham tradition, Rosemont is substantially plated with solid silver and reinforced with sterling at points of greatest wear. The bride who makes this choice will know she has silverplate that will last a lifetime—and a pattern of enduring charm. A limited introductory offer enables you to secure a 38-piece service for only $39.95. Dessert Knives are $26.00 a dozen. Dessert Forks—$15.00 a dozen. Teaspoons—$8.00 a dozen. For illustrated price lists on any Gorham Silverplate pattern, write us direct. • The Gorham Company, Providence, Rhode Island . . . *since 1831*

GORHAM *Silverplate*

THE NEXT THING TO STERLING

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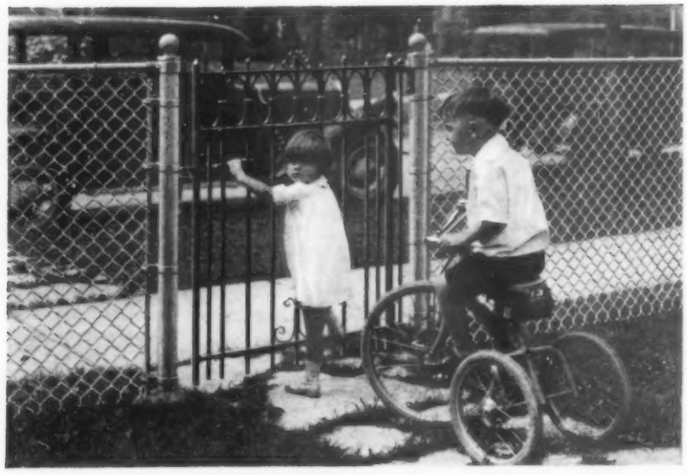

How Cyclone Fence can

BEAUTIFY AND SAFEGUARD YOUR PROPERTY

NOTICE the gate in the above fence. It is a special self-closing gate that keeps children and dogs from wandering away from home.

Notice the sturdy, close-mesh construction—the steel posts, built to last a lifetime. A fence like this keeps out tramps, stray dogs and other undesirables.

Notice also that the fence is good-looking. It is an ornament to the home which it protects. If you do not care for this particular model of fence, there are many different designs to choose from.

There is a convenient Cyclone factory or warehouse from which deliveries can be made to you, within a few hours. And if you wish, there is a complete Cyclone controlled erection service at your disposal.

Remember this—Cyclone is not a type of fence but fence made exclusively by the Cyclone Fence Company. Be sure that your fence will have the Cyclone trade-mark on it when it is completed. It identifies the genuine. It is your guarantee of quality fence. Remember, too, that Cyclone makes a fence for every purpose.

GET THIS FREE BOOK

Mail coupon today for 24-page illustrated book. Contains pictures of 14 kinds of fence and tells facts you should know about lawn fence, steel picket fence, chain link fence. Book shows how to have a fence that protects property, that is handsome as well as useful—how to have fence gates that don't drag, fence rails that won't buckle in hot weather, fence post foundations that will not be weakened by frost.

No matter whether you have a modest dwelling or a mansion, a city lot or a farm, a few feet of fence or ten miles of it—you need this valuable book. Send for your free copy today. No obligation.

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Please mail me, without obligation, a copy of "Fence—How to Choose It—How to Use it."

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Cyclone Fence
UNITED STATES STEEL

leaped ahead in design and construction. The summer rug today is being thought of more and more in terms of year-round floor coverings, so smart and durable are they, and because of the development of the many new fibers in this field. Sisal, a thick hemp rope, jute, cotton, solka, Cellophane, linen; these are some of the fibers that one finds today in "summer" rugs. The designs, instead of the exaggerated floral which inevitably was used here, have taken on such simplicity and good style that they are suitable the year-round in informal country houses, modern rooms, playrooms, dens. The wool and fiber combination has been discovered by the public to be very desirous for bedrooms, being soft underfoot and long-wearing.

Smooth surface floor coverings

There is still another important classification in floor coverings which not only has seen amazingly smart developments in the last two or three years, but which should be considered with much seriousness for certain types of rooms: namely, the "smooth-surfaced" types, linoleum and felt base rugs. Here too the story is one of strides forward, so that today linoleum is a favorite with decorators. Where, only a few years back, one thought of linoleum in terms of tile or marbelized patterns, or of a floor covering type that imitated rugs, limited to only certain places in the home, today linoleum is a style leader.

Solid color linoleums have taken on all the smart colors existant in the home furnishings field today, so that it is now possible to carry out almost any color scheme with it. Narrow strips make it possible to work out smart bordered effects, around the wall base, to outline a stair landing, or the entrance to a doorway. Manufacturers have even gone to the expense of working out a series of ready-made cut-out in a wide series of designs. These are simply inlaid into the linoleum, and offer anyone a chance to be her own decorator. The smartest marbelized linoleums do not try to imitate marble graining to an unimaginative point; these have been simplified so that they merely suggest marble grains. Even the colors are in harmony with the smart decorating shades, not in actual marble colors. These new marbelized linoleums are liked by decorators for formal rooms, hallways, and other places where a classic atmosphere is desired.

Because the linoleum-type of floor covering is so easy to keep clean, and because it is considered a "permanent" type in that it will wear for years if bought in a good quality, it is being used more and more for nurseries and children's rooms, playrooms, and all other places where cleanliness is so important. And with all sorts of cut-out patterns available, running the gamut from nautical emblems to classic motifs like the Greek fret and laurel leaf, such a floor covering can immediately set the decorative theme for a room.

The felt base rugs, cousins to linoleum, while slower to respond to the new style movement, are beginning to push forward with designs that are neater and in better taste. When one can buy for a little "loose change" a felt base rug in chocolate brown with a rope border in eggshell, or a candlewick dot pattern in Dresden blues and ivory, this field too has something to say for itself in the way of style and should be watched.

So with all of this variety in floor coverings to choose from these days, and its beautiful consideration of style and good taste, it's easy to bring the decorator quality into any home. When you are considering buying new floor coverings, sit down and make a list of all the types existing, and then select the one most suitable to your room needs. The actual buying will be simple. No great shopping tour will be needed, for the new floor coverings in great variety are present on every hand.

Checks and plaids

[*Continued from page 24*]

is a shade darker blue. The padded bed is covered in white Permetex welted in bright red and with bands at the side of the cover bright red on white chintz. The curtains are white coarse cotton with "frogs" of red cord, an idea borrowed from an officer's coat. The star linen on the lounge chairs and the white furniture are all very good against the plaid walls. The trumpet lighting fixtures in polished brass again recall the officer who lent the "frogs" for the curtains.

On page 23 is illustrated a man's room that has everything a man's room should have, comfort, simplicity, and rugged individuality. Here we find a brown and white plaid linen used on the padded bed with plain brown linen spread welted in white, tobacco brown carpet and beige walls. The chest is in dark brown walnut with white lacquer base and trim. The Rockwell Kent over the bed, the copper repoussé picture, and the miniature polo mallets are excellent accessories to this masculine scheme. Cedric Gibbons was responsible for the architecture and Edwin B. Willis for the decoration in these rooms.

The smaller photograph at the bottom of the page shows checks used effectively against plain walls and carpet.

Johnnie Junior doesn't leave much leeway in their budget

...but a movie record of his growing up fits well within their income

THEY'VE had to use a lot of care in their budgeting with Johnnie on the scene—extravagances, luxuries are outsiders, now.

Still, though Johnnie Junior's sixth birthday is some months away, he's already a veteran actor in their home movie drama. New chapters unfold every day and are faithfully recorded in priceless movies for the years to come. The development of a less expensive camera and film made it all possible on their limited budget.

•

Formerly, home movies were rather exclusive in cost—but CINÉ-KODAK EIGHT has taken them out of the "luxury class"... made them fit modest budgets. It was designed especially for all those people who have wanted to make movies—but thought they were too expensive.

With this new camera, movies cost but a few cents a scene. Let your dealer show you the Eight and the remarkable pictures it makes—today... Eastman Kodak Co., Rochester, N.Y.

HOME MOVIES at a fraction of their former cost. A twenty-five foot roll of Ciné-Kodak Eight Film runs as long on the screen as 100 feet of amateur standard home movie film. The Eight makes 20 to 30 movie "shots"—each as long as the average scene in the news reels—on a roll of film costing $2.25, *finished, ready to show.* Ciné-Kodak Eight is small, sturdy—costs but $34.50.

Ciné-Kodak Eight

... home movies at less than 10¢ a "shot"

A kitchen modernized with Crane SUNNYSIDE *Cabinet Sink and Cabinet Units*

There's a Crane Kitchen for your home, too

This one cost only $462 complete

from floor to ceiling

WOULD you like to lift that old kitchen out of your house—as you would an outworn piece of furniture—and set a new one in its place? It's so easy, under Crane Co.'s new plan. And the cost is so reasonable!

The glistening new kitchen you see above was installed in the home of Theodore C. Warnken of Oak Lane, Pa. The complete job—including all plumbing work, cabinets, and even the linoleum, lighting fixtures, blinds, and redecorating—was only $462, or only $14.69 monthly, under the Crane Finance Plan. The Crane SUNNYSIDE cabinet sink is flanked by matching cabinets which have chromium hardware and composition work tops trimmed in stainless steel. The sink—of glistening Crane porcelain enamel on durable cast iron—is a miracle of convenience and cleanliness. It even has a special flat drying ledge at the back for fragile glassware!

Quality In Every Hidden Fitting

Behind the sheer beauty and convenience of this Crane kitchen is the sterling quality of Crane valves, pipe, and fittings. These are the vital "working parts" which assure the dependability and thoroughgoing value of the whole.

The Crane Finance Plan enables you to have the convenience and beauty of a Crane kitchen without a cent down and with three years to pay at government rates. Call in your architect or a licensed plumbing and heating contractor to talk over your plans. The contractor will give you complete estimates and make all financial arrangements.

The Crane plan allows you also to have a new bathroom—complete—or downstairs lavatory or a new Crane heating system which reduces the cost of heating your home. All are available under the "no down payment—three years to pay" arrangement. And all are moderately priced improvements adding greatly to the value as well as the beauty and convenience of your home.

To Help You Plan

If you are interested in a new kitchen, we'll be glad to send a booklet which is of great value in helping you plan it—a "Kitchen Guide" with six SUNNYSIDE "sink-and-cabinet" arrangements to fit the shape of almost any kitchen. We will be glad also to send illustrated literature to help you in planning a new bathroom or heating plant. To get the literature best suited to your requirements, please check the coupon below and mail today.

CRANE CO. A. H. 3-36
836 S. Michigan Avenue, Chicago.
Gentlemen: Please send, free and without obligation, illustrated literature on the subjects I have checked: ☐ Bathroom; ☐ Modern Kitchen; ☐ Heating System. (If contemplating building a new home, check here ☐).

Name.....

Address.....

City..... *State*.....

American Colonial and British

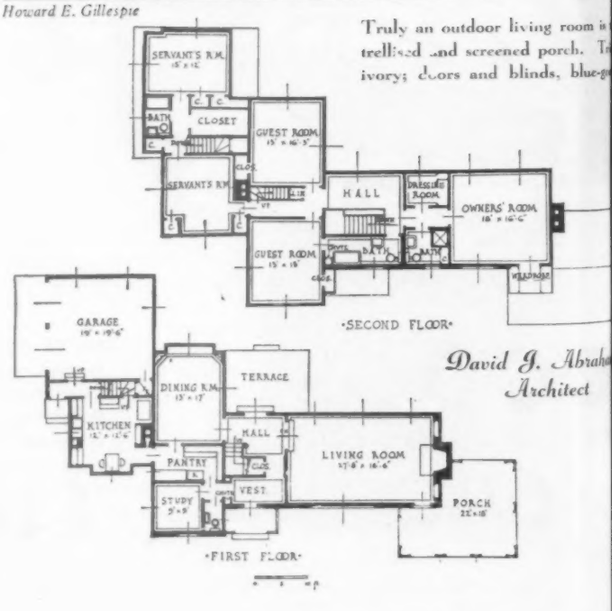
Home of Dr. and Mrs. Ernest D. Richmond

Eighty-nine feet of rambling house in Reading, Mass. Warm-toned sand struck brick and heavy butted oiled hand-split shingles, random width light and dark green, gray, and purple Vermont roof slate

The living room, including dado, paneled fireplace end, and cornice is waxed natural finish native country pine. Plum colored rug makes fine background for Japanese prints, tapestry, and printed linen window draperies

Howard E. Gillespie

Truly an outdoor living room is a trellised and screened porch. Trim ivory; doors and blinds, blue-gr

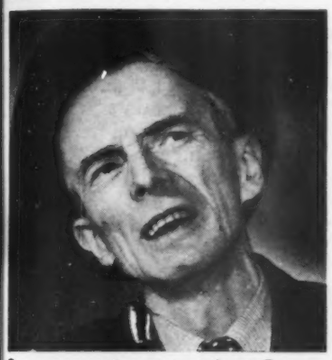


David J. Abraha
Architect

"Save on Gasoline—Buy a Dodge!"

Says TOM HOWARD famous radio star

I just took a ride in that big, new Dodge . . . and how it saves! I have never seen a car use so little gas . . .



Owners say they get at least 5 more miles to the gallon and save up to 20% on oil. And then they say they save and save and save on upkeep.

And you get a combination of features that can't be beat . . . Airglide-Ride, safety-steel body, *genuine* hydraulic brakes, and a lot of other expensive-car features. Take my word for it—don't miss driving that big, new Dodge "Beauty Winner."

DODGE

NEW LOW FIRST COST

NOW ONLY **$640** and up, List Prices at Factory, Detroit

And under the new Official Chrysler Motors Commercial Credit Company 6% Time Payment Plan, Dodge is *now so easy to pay for!*

Follow directions!

MARTHA DAVIS

To begin with, special varnishes are made for special purposes, the difference being not so much in the selection of ingredients as in the treatment given them. It is wise, therefore, in selecting varnish to tell your dealer the purpose for which you intend to use it. He will supply you with the product intended for that purpose, because it is to his advantage as well as yours that varnish be used instead of mis-used.

Select only the best quality products, for cheap varnishes are made of cheap materials and cannot give permanent satisfaction. The advice, "Select your manufacturer first, your product second," is wise. And, after you have chosen your varnish or lacquer or enamel, *read the directions on the label.* I was told that nine tenths of the complaints that come into varnish manufacturers are the result of consumers not reading and following directions. If you are enameling over an already painted surface and the directions say to sandpaper the surface lightly, then sandpaper the surface lightly. Don't take the original coating entirely off, just sand it a little so that the new enamel will have a smooth surface to stick to. If you are re-varnishing a chair that is badly worn and the directions say to remove the entire old coat with varnish remover, then do it. Don't just slap the new varnish on over the old and expect to get a smooth, even surface. Reputable varnish makers put good grade products on the market but unless you follow directions satisfactory results cannot be obtained.

An important item in successful varnishing is that the liquid be thoroughly mixed. When you open a can of varnish or enamel pour off nearly all of the liquid into another can. Then with a flat paddle beat up the remaining pigment and liquid until the mass is smooth and uniform. As you stir, *lift from the bottom of the can* instead of going round and round. Pour back the liquid little by little, stirring constantly, until it is all thoroughly mixed and of a uniform consistency. Then "box the paint by pouring it back and forth from one vessel to another several times.

When you have finished with a can, wipe off the surplus liquid from the groove in the top. Fit the cover on tightly and set the can away. Sometimes a film or skin will form over the varnish or enamel that has been opened, partly used and then set away. If this happens try to lift the skin off in one piece. But if this is impossible then take off as much as you can and strain the paint through cheesecloth. Never start work un-

EYE-STRAIN

PICKS ITS VICTIMS YOUNG

This young girl approaches life as a great adventure. Books, movies, toys, school—any number of richly fascinating things to see and learn about. What a busy life for her eyes in the years ahead!

No wonder scientists tell us that one out of every five school children already has defective vision. The strain of studying in poor lighting can affect not only the eyes but the entire nervous system. Many a nervous "problem" child would be healthier and happier if parents knew and applied these fundamental facts about light in relation to seeing:

1. *Every* pair of eyes should be examined regularly by a competent eyesight specialist. **2.** Home lighting should be measured by an expert. Many local lighting companies provide this service free. **3.** An I. E. S. Better Sight Lamp provides the kind of lighting young eyes need for healthy development. **4.** Good lamps *stay brighter longer* and give more light than poorly-made bulbs. The General Electric monogram GE on a bulb is your assurance of good light at low cost. Write for General Electric's new illustrated booklet, "Light—for Seeing Safely". It tells you interesting facts about light and sight. General Electric Co., Dept. 166, Nela Park, Cleveland, O.

MAZDA LAMPS MADE BY GENERAL ELECTRIC NOW COST ONLY 15-25-40-60 WATTS **15¢**

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I NEVER DREAMED CLEANING COULD BE SO EASY.
P.S. Old Dutch cuts your cleaning time in half
because it's made with quick-acting SEISMOTITE
Old Dutch Cleanser
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Send Today For This Lovely Wm. A. Rogers A1 Plus Quality Silverware

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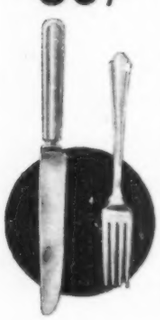

Beautiful "Croydon" pattern specially selected for its smartness and style. Made and guaranteed by Oneida, Ltd. Your choice of 11 different units comprising a complete set of tableware. You may order any one of these units or as many as you like. Remember, each unit requires 50c and 3 windmill panels from Old Dutch labels (or complete labels). Offer good only in the U. S. and Canada, and expires July 31, 1936.

OLD DUTCH CLEANSER, Dept. S181, 221 N. La Salle St., Chicago, Ill.
I am enclosing____ windmill panels from Old Dutch labels (or complete labels) and____c for which please send me

☐ 6 Teaspoons ☐ 3 Oval Soup Spoons ☐ 3 Table Spoons
☐ 3 Salad Forks ☐ 3 Iced Drink Spoons ☐ 1 Cold Meat Fork
☐ 3 Oyster Forks ☐ 3 Butter Spreaders ☐ 1 Gravy Ladle
☐ 1 Dinner Knife and Fork ☐ 1 Butter Knife and 1 Sugar Spoon

Name_____
Address_____
City_____ State_____

til all specks and lumps have been strained out. Never thin a paint with anything except the substances mentioned for that purpose on the label.

And now for a word about brushes. Use only the best brushes and be sure that they are clean. Don't use the same brushes for varnish and enamel that you do for paint, no matter how carefully you think you clean them. And don't buy one brush and expect to use it for floors, furniture, screens, and a half dozen other purposes. Your dealer will supply you with the proper type of brush for your particular use.

Before your job is finished and while your brush is not in use suspend it either in a "brush keeper" liquid, or if this is unobtainable, in raw linseed oil. Don't let brushes stand in turpentine or sandy-looking work will result. The easiest way to suspend a brush is to drill a hole in the handle, if there is not one already there, put a wire through it and let the wire lay across the top of the jar or can of oil. Allowing brushes to stand on the bottom of the can will bend and curl the ends of the bristles and ruin the brush. Be sure the oil comes over the top of the bristles, otherwise they will dry out and come loose. Keep varnish and enamel brushes in separate cans from paint or shellac brushes.

When you have completely finished the job, wash out your brushes with turpentine before they get dry. Then wash the turpentine out with soap and water. Dry the brushes and put them away in a paper bag in a cool place. Shellac brushes should be washed out with denatured alcohol, then with soap and water before putting away.

While it is impossible to give specific instructions for every use of varnish or enamel, a few general hints may be of value.

Varnishing new wood. If the wood is open-grained, such as oak, ash, or chestnut, a paste wood filler must be applied first to fill in the pores and prevent the varnish from being absorbed. After the filler has set and before it dries, rub it in with a cotton cloth or piece of burlap so that it will soak into the wood. Let the filler stand overnight to dry. Then fill all holes with linseed oil putty and sandpaper smooth. For a natural finish apply two or three coats of varnish, letting each coat dry thoroughly and then sandpapering lightly before applying the next coat.

If you are going to stain the wood, rub on the stain after the filler is dry, let it stand about fifteen minutes and then rub off. If you let it stand longer the wood will become darker, if less the wood will be lighter. Let it dry thoroughly before applying a coat of varnish. Varnish stain can sometimes be used successfully instead of pure stain as an undercoat.

The drying of filler, stain, and under varnish coats is particularly essential because the final finish will become cloudy and opalescent if there is any moisture underneath.

If the wood is close grained, such as yellow pine, white pine or poplar, a liquid filler may be used or none at all depending on the type of surface. All holes should be filled with putty, the surface sanded smooth, and the directions given above followed.

Re-varnishing. The most important thing in re-varnishing is that the surface be smooth, dry, and free from any dirt or grease. If the original varnish is in good condition a good washing with soap and water followed by a thorough rinsing is all that is necessary in the way of preparation. Very often, though, soap leaves a film of grease which will work havoc when the varnish is finally applied. This grease film can be removed by liberal rinsing with pure water but the easiest and safest method is to put a little vinegar or ammonia into the rinse water.

Sometimes moisture seeping into the wood from vigorous washing will raise the grain a little. If this should happen, sand it smooth before varnishing.

If there are dark spots in the original finish due to moisture or atmospheric conditions they can often be rubbed out with fine steel wool, but if they cannot, then the whole finish will have to be removed and the spots bleached. A good bleach is made by disolving one pound of oxalic acid in one gallon of water. The acid will dissolve in about five minutes and the solution can then be applied with a brush. Let it stand for three or four hours or until the spots have disappeared and then wash the bleached surface thoroughly with water and sand carefully when dry. Light spots can usually be touched up with judicious application of a little stain.

One coat of varnish is generally all that is necessary to refinish a surface in good condition, but if more coats are applied each coat should be lightly sanded after thoroughly drying.

In re-varnishing floors, if the old surface is worn down slightly at the entrance ways or between rooms, it can be touched up with a little orange shellac. This will generally bring the color back, but the only way to tell is to try it on one spot and if it does not work then all the old varnish will have to be removed from the entrance. Apply the varnish remover with a brush and let it stand for fifteen minutes. Then scrape it off with a putty knife. Wash the parts where the varnish remover was used with gasoline or benzine. This is very important for if the acids in the varnish remover are not counter-

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A coat of Wallhide, a well-placed mirror, walls of gleaming Carrara Structural Glass in the bathroom . . . but there are so many ways to make paint and glass work miracles that we won't try to tell you about them here. Instead, we invite you to write for a free copy of the special book called "Designs for Living," which our Studio of Creative Design has just completed. It contains scores of helpful suggestions for modernizing time-worn homes . . . for making new homes more attractive and livable . . . by the use of paint and glass. It's a real, practical handbook on home improvement. Use the coupon, and don't forget . . . this helpful book is free.

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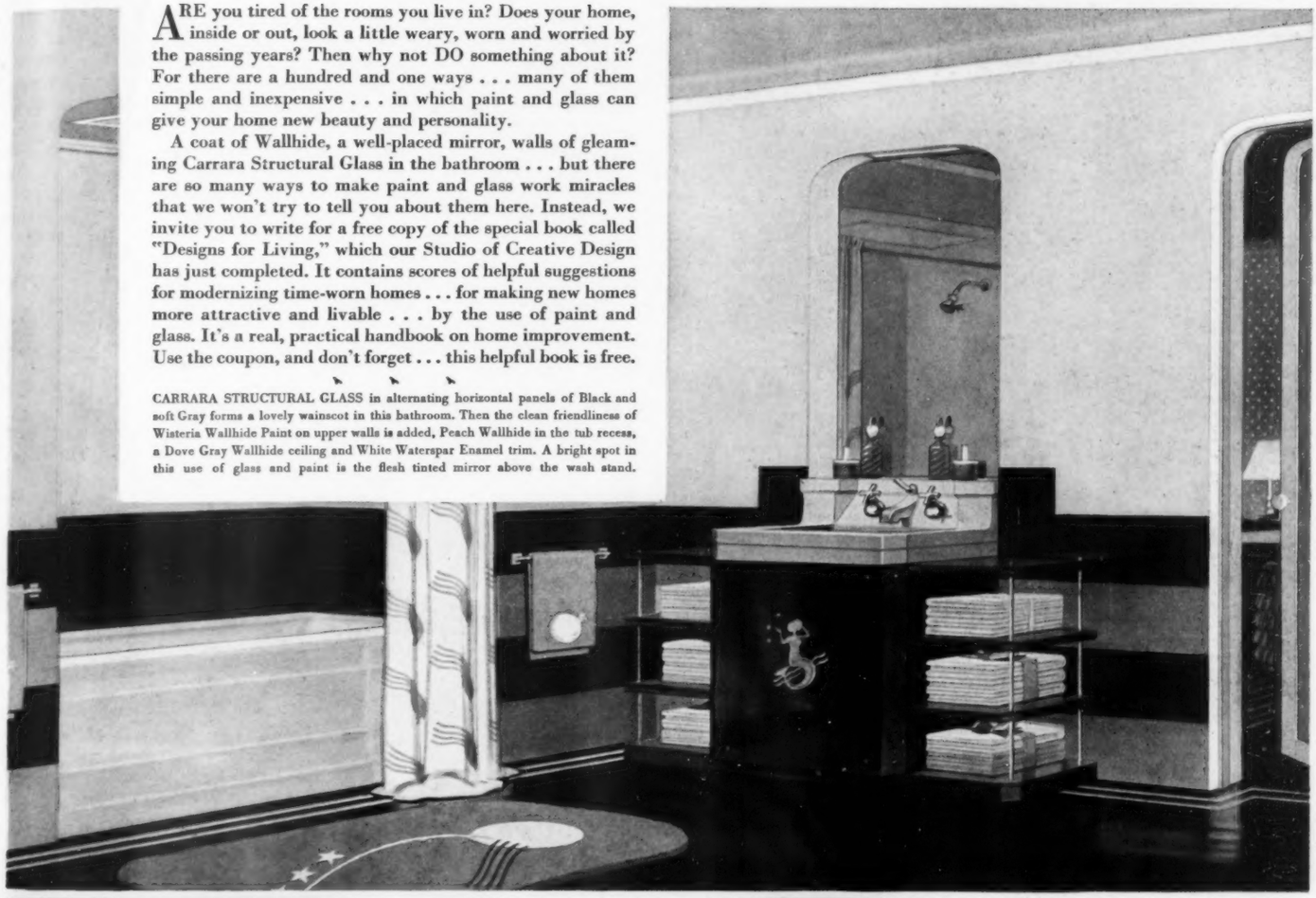

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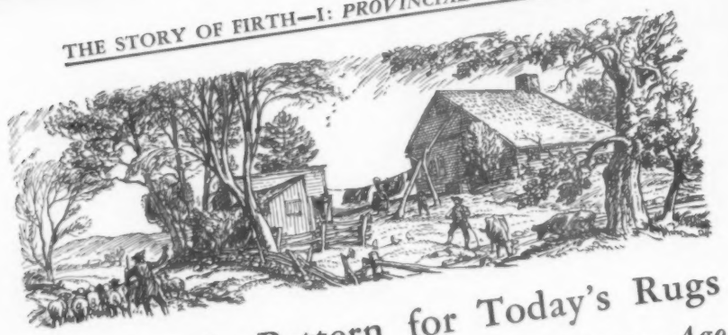
THE STORY OF FIRTH—I: *PROVINCIAL HOMESPUNS*



Firth Finds Pattern for Today's Rugs

on Quaint Hand-Looms of Long Ago

WHAT a treat for today's rooms! Firth style pioneers searched out lovely authentic fabrics woven long ago by hand—took their magic beauty and simple, living design to make glowing modern rugs. Rugs of striking newness—smartness—good taste. And rugs that bring an age-old tradition of serenity—love—and contentment into your rooms . . . as a heritage from their folk-art origins.

In the Provincial Series, there's the *Connecticut Quilt* (large illustration) to breathe the beautiful, sturdy tradition of old New England into modern or colonial interiors. *The Bavarian Burl*, a symphony of wood-motifs, woven first by peasants of the Black Forest, now superb with your new decorative wood effects in furniture. And seven others from remote corners of the world. . . .

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Another Firth Fashion Group of "decorator" rugs at popular prices. Sunjoy axminsters in homespun patterns, priced reasonably in a variety of sizes at your favorite store.

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Please send me the "FIRTH FINDER" *and* PROVINCIAL HOMESPUN Book.

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acted and killed they will work through the final finish in the form of tiny bubbles. After the gasoline is dry apply a thin coat of shellac and then build up the surface to the level of the rest of the floor with as many coats of varnish as is necessary. Then sand and apply the final coat to the entire floor.

Varnish that has been stored in a cold place is apt to look gritty or sandy when applied. To remedy this let the can stand in a heated room until it is the same temperature as the room. Any interior varnishing should be done at a temperature of about 70° F. and the same temperature should be maintained as near as possible while the varnish is drying. Sudden changes during drying will cause the varnish to cloud, blister, or cake. Naturally the room should be as free from dust as possible for every particle of dust that gets into wet varnish is bound to show up several times its actual size.

Enameling new woodwork and furniture. All knots and sappy places should be coated with shellac and let dry. All holes should be filled with putty and the wood sanded smooth. Then a priming coat of some kind must be applied to cover the wood and fill in the pores and also to give the enamel something to stick to. When it has dried sand lightly and apply one or more coats of enamel.

Enameling over paint or old enamel. If the surface is in good condition the only preparatory measure necessary is to sand it smooth. But if the enamel or paint has been chipped off one or more coats of white undercoating should be applied to those spots to raise them to the level of the rest of the surface. Each coat must be thoroughly dried. In the case of window sills, etc., that have been blistered and warped by the weather it is better to remove the entire finish by scraping or using a paint remover and then proceeding as you would for new wood.

Enameling over varnish. The surface should be sanded smooth and then one or two coats of undercoating applied before the final enamel is put on. Mahogany surfaces should be treated first to a wash-coat of shellac before applying the undercoats to prevent the mahogany stain from "bleeding through" and discoloring the enamel.

Varnishing linoleum. New linoleum must be washed with turpentine or benzine to remove the wax coating which is applied before it leaves the factory. Old linoleum should be washed with soap and water and then rinsed carefully to remove all traces of soap. Two coats of varnish are preferable if you are varnishing for the first time. Thereafter, the varnish should be renewed once or twice a year to keep the linoleum looking fresh and new.

Lacquering interior surfaces or exterior metal surfaces. The surface, whether new or old, should be clean, dry and free from grease and wax. If varnish remover is used to take off an old finish the surface must be carefully washed with turpentine and allowed to dry before the lacquer is applied. Use a soft bristle brush and keep it well filled with lacquer, flowing it on with long even strokes. Lacquer does not require much brushing but levels out easily into a smooth finish. Allow the first coat to dry before applying another and be careful not to overbrush the final coat.

To sum up—buy good products, see that you have all your materials ready before you begin working, prepare your surfaces carefully, read and follow directions, and your time and efforts will not have been spent in vain.

Plan your kitchen to save steps

NINETY to ninety-five per cent of the kitchens existing today are obsolete from the standpoint either of equipment or of arrangement. This was discovered in a survey made by Westinghouse, under the direction of Irving W. Clark, and is something for housewives to note and take to heart. Westinghouse has taken steps to analyze the problem, and to solve it so that the woman in the house may have as efficient an operating plant as the man in his office or in the factory.

It was found that in many kitchens it takes from 200 to 320 steps to prepare an average meal. It was proved that by proper planning and arranging of "work centers," the same meal can be prepared in from 50 to 60 steps—a decided improvement!

This is shown dramatically in the two charts on next page. Compare the average kitchen which, like Topsy, "just growed," and the planned kitchen. In the former, the routes of travel necessary in the course of the preparation of a meal run in and out, up and down, and in many crossing directions. The other chart indicates the great contrast that careful planning and proper relationship accomplishes. Note the single straight line of operation from the receipt of supplies at the rear entrance to the delivery of the finished food products at the dining room door.

Westinghouse engineers have worked out a comparatively simple basis of efficient kitchen planning. Fundamentally, it depends upon the arrangement of three "work centers." These are: 1. the refrigeration and preparation center, 2. the sink and dishwasher section, 3. the range and serving section.

"I bought Fostoria American because it was so inexpensive . . . but I use it for parties because it is so beautiful"

AND that's really the reason Fostoria "American" is the country's most popular tableware—it's inexpensive and it *is* beautiful! With their diamond shaped facets, Fostoria "American" pieces adorn today's tables with the same charm and brilliance that brought fame to the Colonial craftsmen who created their crystal masterpieces a century and a half ago.

Hard, everyday use is no disaster to this rugged Early American pattern. It's sturdy, but at the same time, it makes a stunning table setting for luncheons, and dinners too.

You can see this characteristically American tableware at your nearest glass or department store. All the pieces are very moderately priced; the lovely stemware, for example, being only $3.75 a dozen. Occasional dishes range from 25¢ to $2.50 each for the largest ones.*

For further information about the "American" line, write to Fostoria Glass Co., Moundsville, West Virginia, and ask for Folder No. 7.

** Prices slightly higher in the West.*

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Like Genuine
wood paneling
but at
Wallboard Prices

PROTECT YOUR HOME FROM FIRE *with*

Sheetrock

THE FIREPROOF WALLBOARD

Now you can have paneling that faithfully reproduces wood—plus the fire protection of Gypsum—both combined in one product, Wood Grained Sheetrock.* Actual reproductions of carefully selected panels. Finished with a lacquered surface—realistic, attractive, inexpensive.

Made in wallboard sizes 4 feet wide, 6 to 10 feet long. Readily cut and nailed. Used for wainscoting and ceiling high panels. Can be shellacked and waxed or varnished, or left just as it is. Four woods, Knotty Pine, Walnut, Matched Walnut Panels and Douglas Fir.

Because made of gypsum, this fireproof wallboard helps protect the wood framework of your home from fire." For Economy Build with Wood—For Economy and Safety, Protect with Gypsum." *Registered Trade Mark

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I am interested in the use of Wood Grained Sheetrock for my
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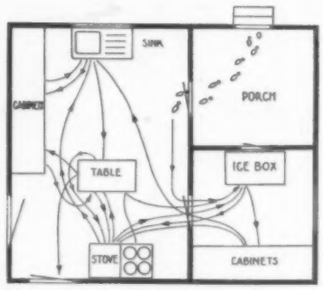
Each of these units can stand as a complete unit itself. But the relationship between the various centers has a very definite bearing on the efficiency of any particular kitchen. This relationship is the crux of the whole matter.

The refrigeration and preparation center, figure No. 1 in room charts shown, combines the storage of all perishable goods in the refrigerator with the storage of staple food materials in the cabinets above the counter. The counter surface makes a convenient, properly located work surface upon which to blend these foods, while in the base cabinets beneath the counter surfaces are stored mixing cutlery, flour and sugar, and baking utensils. This is quite a contrast to conditions found in the average kitchen, where the refrigerator, in far too many cases, has simply replaced the old ice-box down the back hall, on the back porch, or in a poorly selected inconvenient corner of the kitchen itself. The refrigerator has been developed mechanically and is insulated to work most efficiently, located in kitchen temperatures.

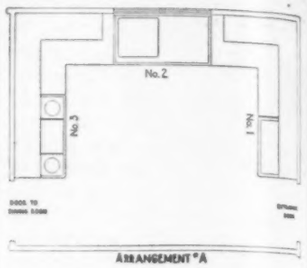


BEFORE

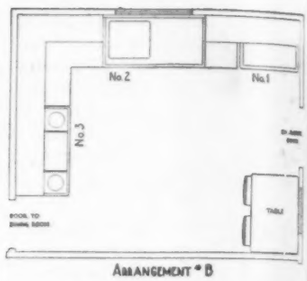
AFTER

Its efficient use throughout the year in the kitchen has become a proven fact. True, this valuable piece of equipment has been and still can be used as an individual unit standing by itself, but figured as a complete center properly located, its efficiency—its real value to the operator—is increased most materially.

The sink and dishwashing center, figure No. 2, is the key to the kitchen arrangement around which the other centers should focus. It is, therefore, given No. 2 position which places it definitely in the center between No. 1, refrigerator and preparation center, and No. 3, range and serving center. Here all cleaning operations are performed. Cabinets on either side above the counter surfaces are used for the storage of dishes and glassware. This location is quite a contrast to the old system of carrying them back and forth to remote pantries or storgae cupboards. The saving of both steps and time in this center arrangement is obvious. Ample counter surfaces on either side of the sink care for the necessary stacking of dishes during cleaning processes. In the base cabinets, on each side of the dishwasher-sink combination, cooking utensils, cleaning supplies and equipment, and a ventilated storage bin for non-perishable vegetables again cut the number of step and the time element very materially and increase the efficiency of the kitchen operator.

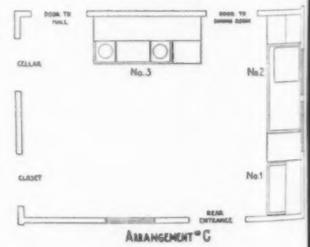


ARRANGEMENT "A"

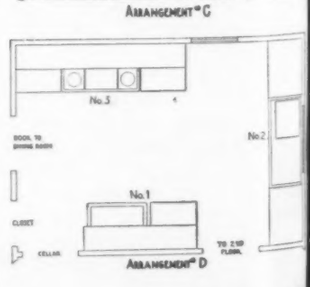


ARRANGEMENT "B"

As in the other two centers, so in the range and serving center, figure No. 3, ample counter surface for proper placing of serving dishes during the important period of serving a meal, has greatly increased kitchen efficiency. The cab-



ARRANGEMENT "C"



ARRANGEMENT "D"

Hard water... the
GAY DECEIVER

• Even hard water looks sparklingly clear when you get in your tub . . . but look at it when you get out! See that scummy ring. And feel that same scum itch and smart as it dries on your body and settles in your pores.

The ring around your tub isn't dirt. It is a sticky, insoluble curd formed by the action of hard water on soap. That is why nothing washed in hard water is really clean. It is this curd that makes your hair harsh and stringy; that leaves a film on your china and glass; that shortens the life of your clothes; wastes your soap.

Hard water is an expensive nuisance, but you needn't put up with it. A Permutit Water Conditioning installation attached to your household water supply will remove the offending impurities . . . give you the luxury of really soft water. And best of all, water conditioning is not expensive. A Permutit installation can be purchased under the FHA plan, and will save enough to meet its payments. Let us show you how.

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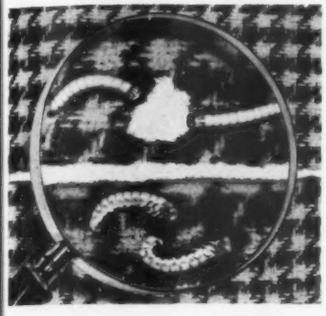
ENDS MOTH DAMAGE for 12 months IN 1 APPLICATION

(wear clothes any time)

The only home-use preparation that withstood the dramatic Verified Mothproofing Test



TOP Woolen cloth treated with widely sold, ordinary moth liquids, etc. Note havoc caused after moths arrived.

BOTTOM The same cloth treated by exclusive Larvex principle. After 12 months not a single fibre touched.

Moths Can't Eat Larvex-ed Woolens

Astonishing—this thrifty new method of *mothproofing* precious woolens for 12 long months in a few minutes.

Remarkable new Larvex liquid not only sweeps away old-fashioned moth bags and futile odors, but also ends the uncertainties of liquids lacking the exclusive Larvex principle.

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Larvex is the only product sold by all druggists offering this revolutionary new safeguard. Big textile mills have used Larvex for years. Now thousands of women, too, know and depend on its convenience and safety.

Larvex has no odor. Harmless to fabrics, humans, pets. Cannot stain. Also protects rugs, upholstery, drapes for a whole year.

Don't waste any more time and energy with risky, out-dated methods. Spray Larvex once—any time—and enjoy 12 months of freedom from moth worries at small cost.

Use the efficient Larvex sprayer for best results—it lasts for years. Get a bottle of Larvex today. At all drug and department stores.

THE LARVEX CORP., CHRYSLER BLDG., N. Y. C.

inet directly above the range cares for the storage of vegetable serving dishes and platters. Again, this is a contrast to older methods used in the former hodge-podge kitchen of yesterday when these pieces of serving equipment were stored in the most inaccessible and out-of-the-way places, which caused innumerable steps and great inconvenience. In the cabinet below the counter on the side of the range is stored the necessary cooking cutlery, pastry which is needed in serving, and frying pans which are always used first by preheating at the range. This center, like the others, can stand as a single unit by itself but its efficiency is greatly increased by the proper relationship to the two other centers.

A great number of outstanding engineering developments of these individual kitchen units and of materials used in the kitchen, has been made available in the past decade, and has greatly relieved the drudgery with which housewives of earlier times continually had to struggle. The electric refrigerator, range, dishwasher, laundry equipment, and more recently, air conditioning, either have been or are being developed to a degree of high individual efficiency. But the efficiency of the whole depends upon the relationship of the individual units, one to the other; in other words, their arrangement in the kitchen.

Note: Figures A, B, C, D indicate the four types of kitchen into one of which all planned kitchens may be classified.

A home furnishing reference library

A DEPARTURE in public libraries is the home furnishing reference library recently completed by Lionel Scott for the Adams Furniture Company of Toronto, Canada. We believe it is the only one of its kind that has been compiled primarily for housewives, students of interior decoration, practical decorators, and artists or craftsmen in the applied arts.

This library is selective rather than exhaustive and contains many books not to be found in the average public library. There is a dictionary of English furniture, for instance, which contains a wealth of information. There are also, the leading magazines on the subject—including THE AMERICAN HOME—and outstanding periodicals from European countries will be added shortly.

The library is open to the public without fee or obligation of any kind during the store hours, 8:30 to 5:30 daily. It is indeed an innovation which should prove very popular and helpful.

"Mrs. Wilson won't need her shawl any more!"

says this man

BY BLOWING J-M ROCK WOOL between attic floor joists and into hollow walls, this man puts an end to cold, draughty rooms.

The book shown below tells amazing story of Johns-Manville ROCK WOOL...how it keeps your home comfortable winter and summer, yet saves up to 30% in fuel. SEND FOR IT NOW!

EVEN if you were to enclose your house in a solid stone wall 11 feet thick, your protection against hot and cold weather would be no greater than the protection you get from Johns-Manville Home Insulation. J-M ROCK WOOL enables you to have comfortable warmth all winter at an actual reduction in fuel bills of as much as 30%. And in summer it makes your rooms up to 15° *cooler.*

You can't buy a more efficient type of home-insulation material than J-M Rock Wool. And, as long as your house stands, you will have this *maximum* protection, for J-M Rock Wool will not decay or corrode, of course. It is fireproof, too, and it will not settle.

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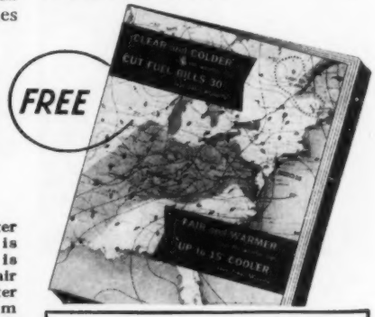

Between inner and outer walls of your house is empty space. There is little to keep heated air from leaking *out* in winter and summer heat from seeping in. J-M ROCK WOOL, by filling this space, makes homes unbelievably comfortable all year round.

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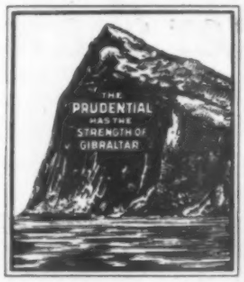
A word with those who have no children



You who are without children need to make special preparation for your later years

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Two closets in a child's room

THOMAS ROBERT EDWARDS, JR.

HAVE you ever wished that your child had a playroom somewhere in the house, knowing, however, how impossible such a luxury might be? Haven't you longed for some place, other than the floor, where Junior could store his toys, where they could be kept out of sight when company comes, and still be accessible when he wants to play with them? How often have you had to reach for some of his clothes from a high hook or hanger or shelf, so that he could dress himself?

These questions, and several others, are well answered by having two closets built in connection with the child's bedroom—the one for toys, the other for clothes.

The former should have a bank of shelves reaching from a point twenty inches up from the floor to a point about a foot from the ceiling, and twelve to fifteen inches from front to back. As shown in figure 1, the end cleats supporting the boards should be long enough to admit of widening the shelves by several inches: room for expansion. This arrangement will provide a large space for storage, and make it possible to teach the youngster neatness in connection with his possessions, which is utterly out of the question unless some adequate provision be made for the purpose.

As to the clothes closet, in addition to the standard rows of hooks and the clothes-hanger pole, put a duplicate set half way between the floor and the set placed at the standard height; six inches higher still, is preferred by some. While the child is small, even until he is eight or nine years old, he can always hang up his own clothes (figure 2), and not call for mother whenever he wants something off the hanger to wear.

This second clothes-hanger pole should be easily removable, so that no destruction of the woodwork is necessary when the time comes to discard it. To accomplish this, the upper half of the bracket hole that supports it at one end should be open (figure 3). In that way, the other end of the

Figure 3: Close-up of removable end of clothes-hanger pole, showing how easy it is to install and take out

Figure 1, above: An ideal arrangement for a child's toy closet, showing facilities for expansion of shelf space. Figure 2, left: A child's clothes closet should be so arranged as to let him get his own clothes without assistance

pole may be inserted in the opposite bracket, and the free end dropped into place, or removed, without interference.

In our own house, we have found these two closets to be very practical. The youngster's toys are put away at night, and he assumes responsibility for the task. His clothes are always in order, even though it is occasionally necessary to do a little overseeing in that direction.

Old napkin rings for modern use

JOSEPHINE AVERY BATES

BRING forth the long despised napkin rings, regarded, at best, as a necessary evil, and make their stock rise, as a beautiful article of adornment. Now is the time to act, while the vogue for bracelets is on in full force!

The fashion of large families, in the past, is the background of this idea; for in those good old days, when fourteen often sat around the homestead board, one liked to feel that one's napkin was his own. Modern improvements have made it possible to change the nappery for each meal. Not so in Grandmother's day, when, at best, there was but "the maid of all work" and thrift was evident in the saving of linen—hence the individual napkin rings.

Many of these old-fashioned rings have truly beautiful hand workmanship on them and should come forth to take their proper place among antiques. Sometimes seamed and soldered at one side—we make our opening here; and have them sprung just enough to encircle one's wrist. It is a simple and inexpensive thing to have the sharp edges bound with a suitable band or beading, for a finish; and an article is brought forth unlike anything in the shops today. I love to look at my particularly lovely one, with the hand-wrought windmill of Dutch design and fir trees beside a bridge. Across the little arch of a bridge one goes on past more trees, of the shade giving type, beside the homestead itself, where the rail fence and well house are plainly shown.

It is fascinating to study the

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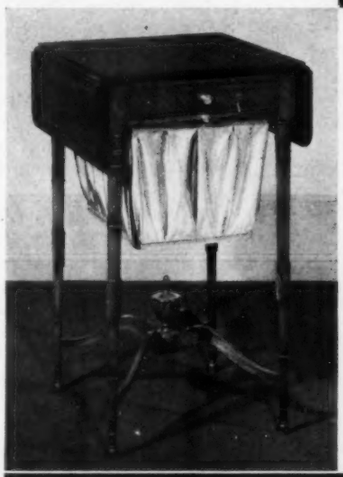

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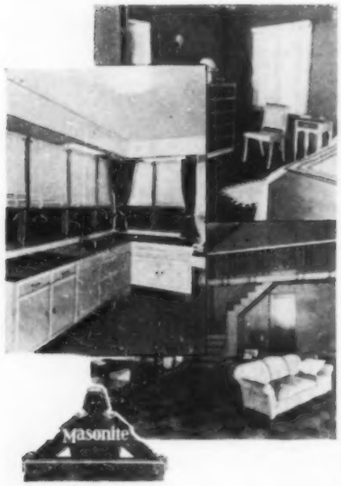

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napkin ring and think upon its past; where hospitality was dispensed during its humble use. As a child I can remember it being used in my aunt's old brick house, where she was the lady bountiful to us all.

Each edge is bound by a decorative band of chased design; and nothing can compare with the soft, lustrous refinement of old silver, which gives us something to ponder over, as we study the tales it seems to tell.

Another ring, narrower and of plainer type, thus more adaptable for certain people, has its history too. It came to us from my husband's maternal grandfather, who was a sea captain with a home on Brooklyn Heights. The ring is numbered 1; and I have heard our children's grandmother tell us that it was one of a dozen, each person having his special number. When I look at this ring I think of old times again, mid banjo clocks, the toddy glass, and fine old mahogany furniture.

Another ring, about an inch and a half in width, has a medallion

with "Maggie from Annie" inscribed within the circle. A garland of leaves, of grape design, surrounds this ring, with the open rose peeping out at intervals, defying anything known to nature. It is worn to an ancient softness, no harsh feeling in its old-time curves! I marvel over the barbaric and junk-like jewelry in the stores today, and make a plea for the old-fashioned rings, believing that few are the homes, where past relics are preserved, which cannot produce one or more of these would-be bracelets.

Pictures That Hang Straight

A simple remedy will make those pictures on the wall hang straight. Glue a strip of sandpaper (about ½" wide by 3" long) near the lower edge on the back of the frame. The rough surface of the sandpaper will "grip" the wall and hold the frame in place. D. S. OLSON, Missoula, Montana.

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ENJOY the comfort and convenience of clean, *rust-free* hot water! Banish forever the repair bills rusting tanks can cause. A tank of strong, non-rust Everdur Metal means long, satisfactory service to *you* and to *your family.*

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Far-sighted homeowners everywhere are selecting tanks of this durable metal. Your local dealer or plumbing contractor can supply you with an Everdur storage tank (range boiler) or an automatic heater with a money-saving Everdur tank inside. And remember . . . Everdur can *never* rust.

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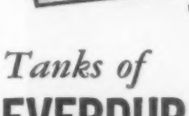

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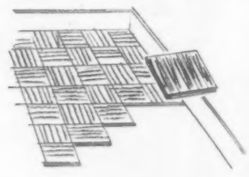
EVERDUR METAL
RUSTLESS AS COPPER . . . STRONG AS STEEL

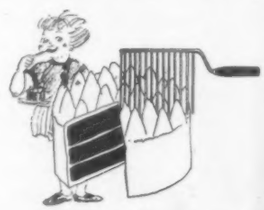
Of interest to you?

HAND-MADE reproductions of an old New England pipe box is an attractive addition to a man's room. The drawer is for tobacco and is provided with a tobacco tile to be soaked in water and placed in the mixture to keep it moist. Comes in solid oak, pine, or maple from R. E. Willey.

High installation costs are avoided by Bruce Finished Nail Block Floors, which arrive on the job ready finished, and ready for use immediately after installation. They can be nailed on wood subfloors, on old wood floor or laid in mastic over concrete and other surfaces. E. L. Bruce Company.



The cake breaker makes it possible to keep cake and icing unbroken and uncrumbled. It is chromium with a Catalin handle. From Hammacher Schlemmer.



A new folding ironing table designed in modern stream line and having knee action is the Howe Hostess, a product of the Howe Folding Furniture Company. With one motion it may be opened and with reverse procedure it is closed. Plenty of space under it for a clothes basket.

SAVE FUEL THE SURE WAY

Insist on SEALED INSULATION

Of course, you want to save as much as 20% on your fuel bill every heating season—and have a more comfortable, more healthful home. Then insist on SEALED insulation—for only such insulation makes these benefits truly lasting.

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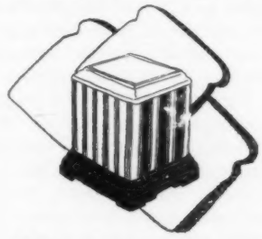
Pin-It-Up lamp above, to be attached to the wall, gives indirect light and was designed by Edward Kent for the Railley Corporation.

This long handled device may be used on floors or for cleaning windows. It is well designed without being too heavy. By pulling down the curved projections the moisture is extracted. Made by the Merchants and Manufacturers Co.

The Trimatic Toaster accommodates three slices of bread. It is completely automatic in operation, equipped with a timing device so that toast may be prepared to meet individual tastes. It is constructed from chromium plated metal, and a sturdy Bakelite Molded base in black, providing beauty to grace any home. From The Samson-United Corporation.



All the advantages of two extra lights for shaving convenience, without extra installation or current cost, are provided by the "Chinlite Twins," two mirrors for the lower corners of the mirror frame which can be permanently attached or just set on the shelf and adjusted for the best light. Milliken Specialty Company.

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POPULAR MECHANICS

The first of a group of air-conditioned homes in a development near Pittsburgh. York Ice Machinery Corp.

Air-conditioned small homes

THERE is a very definite present-day trend, among real estate operators concerned with the development of the small, moderately priced and well equipped homes to include complete air conditioning, available for both summer cooling and winter warmth. This has been made possible largely through the central air-conditioning system which has been perfected and adapted by the York Ice Machinery Corporation for residential application of the year-'round benefits of air conditioning.

By the use of the central air-conditioning plant, combined with what is known as "zone control," it is now possible for the small home owner to spread the benefits of air conditioning over a larger cubic area, while using equipment of smaller and more compact size, requiring less power, and consequently less cost to operate.

First real estate development to feature air conditioning in the Pittsburgh territory is the one recently undertaken by Mr. F. G. Bishoff. He selected a beautiful park-like tract of some eighty acres along the William Penn Highway, a short distance above Wilkinsburg, and instructed his architect to erect the first of a group of small, model homes, completely equipped with all modern conveniences and including a complete central system of air conditioning.

In the midst of this wooded tract will be built modern homes in the price range of $7,000 to $8,000, including the cost of year-'round air conditioning. Each home is to have one acre of ground, the front of which will be devoted to a park, including a swimming pool.

The first house, in which Mr. Bishoff is now living with his family, has a total volume of 5,200 cubic feet, all air conditioned. For this purpose he had installed a York 1½-H.P. Freon water cooled condensing unit, connected with a standard York Air Conditioner which was built into a Waterbury Seamless furnace in the basement. From this point the necessary duct work was neatly arranged to distribute cooled conditioned air to every room in the house, through grilles, and to supply comfortably warmed and humidified air during the winter. The cooling system was installed at a cost of approximately $745.

Next Mr. Bishoff erected a second model home, also including

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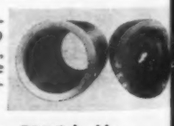

After identical service: Brass pipe *(left)* in perfect condition, and rustable pipe *(right)* clogged beyond usefulness.

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the necessary York equipment for a central air-conditioning system. It was then that Mr. Bishoff decided to try the "zone system" of central plant air conditioning. He found that, although the second of his two model homes was larger, comprising five rooms and bath with a total of 7,300 cubic feet to be air conditioned, it required only a 1-H.P. York Freon unit to air condition the second home by means of zone control, whereas the first home required a 1½-H.P. unit. Conditions of operation were practically the same in both houses, the 1-H.P. York Freon unit for the second house being installed in a Pennsylvania furnace, and connected with a standard air-conditioning coil.

In the second of his two homes, by means of zone control, that is, arranging the central system to cool the living and dining rooms during the day time, and cool the bedrooms at night, he was able to effect appreciable economy in operating the system, in addition to the saving in initial cost which had been made possible through the use of the smaller unit. Both homes are insulated with four inches of Rock Wool insulation which is a material aid in minimizing the cost of both summer cooling and winter heating.

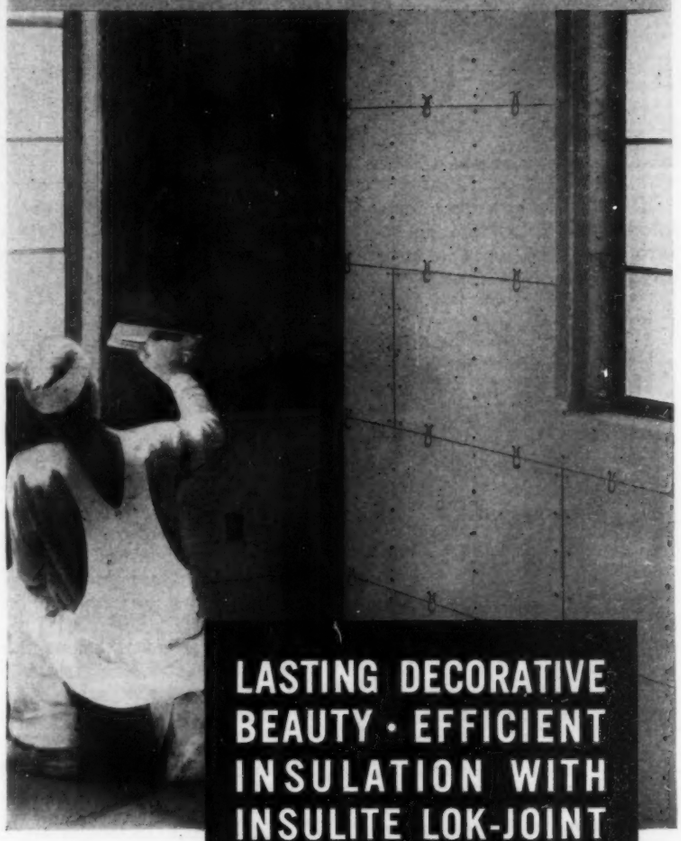
Mr. Bishoff is now planning to build the remaining low-priced model homes in this development, his experience having convinced him that the central air-conditioning system together with the zone control feature which makes possible the use of small-unit equipment, has answered the question of how more owners of small, inexpensive homes may enjoy the full benefits and comfort of year-'round air conditioning.

Architecture—old and new

As a contribution to a knowledge of architecture, a study program covering architectural styles from early forms down to the present has just been issued by the department of debating and public discussion, University of Wisconsin Extension Division, Madison.

"These studies," the foreword says, "are for clubs and individuals who desire to acquire a knowledge of the beauty and value of buildings. Since it is necessary to have a knowledge of the architectural styles of the past, in order to pass judgment on present day architecture, the studies cover the earlier styles as well as modern architecture." The study programs are sold at a nominal cost. For further information address The Director, Department of Debating and Public Discussion, The University of Wisconsin, Madison, Wisconsin.

BUILD FOR THE FUTURE WITH *Insulite*



LASTING DECORATIVE BEAUTY · EFFICIENT INSULATION WITH INSULITE LOK-JOINT LATH. (PATENTED)

FOR permanent satisfaction use Insulite Lok-Joint Lath, the unsurpassed Plaster Base which adds bracing strength and long life to beautifully finished walls and ceilings. Insulite Lok-Joint Lath provides:

1. *Comfort and health at low cost*
2. *Fuel savings year after year*
3. *Attractive interest on the investment*
4. *Higher resale value of the home*

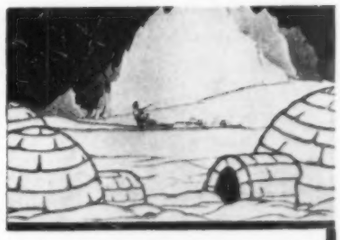
Only Insulite Lath has the patented Lok-Joint, which assures a rigid, level plastering surface, holds plaster with twice the grip of wood lath; keeps moisture from entering the building framework; insures greater freedom from plaster cracks; deadens sound through walls; adds to resale value.

Insulite Lok-Joint Lath and other Insulite products are sold by lumber dealers. Write for your copy of "Building for the Future". The Insulite Company, Dept. AH1, Builders Exchange, Minneapolis, Minnesota.

[INSULATE WITH INSULITE]

INSULITE
The Original Wood-Fiber Insulating Board
IT WILL PAY YOU TO SEE AN ARCHITECT WHEN YOU BUILD OR REMODEL

As COLD as the Antarctic?



If your home wasn't insulated it probably seemed sub-zero on those cold stormy days last winter

and it will be

as "Hot as a Jungle Hut" . . .

next summer

Probably not quite that extreme, but the general idea is that an uninsulated home can be mighty uncomfortable when the weather is very cold or very hot. Rooms that were hard to heat and drafty in the days just past, will be as "hot as ovens" when the mid-summer sun burns down.

springtime is a good time to insulate.

HOUSE Gimco ROCK WOOL INSULATION

In fact, any time is a good time to insulate your home. Prepare now for extremes in weather, safeguard health. Upstairs rooms can be made 15 degrees cooler by completely insulating your home with fluffy, fire-proof Gimco Rock Wool. Added comfort all year 'round and fuel savings soon return your investment and pile up dividends.

Send today for your free copy of the interesting book, "Year 'Round Comfort for the Modern Home."

AH 1336

GENERAL INSULATING & MFG. CO., Alexandria, Ind.

WORLD'S LARGEST EXCLUSIVE MANUFACTURERS of ROCK WOOL PRODUCTS

General Insulating and Manufacturing Company
Alexandria, Indiana

Send me your free book, "Year 'Round Comfort For The Modern Home."

Name.....

Address.....

What is meant by "air conditioning"

LITERALLY, anything which affects the atmosphere within a structure, such as an electric fan, the opening or closing of a window, a heated radiator, a pail of water, smoking, flowers, and innumerable other factors "condition" the air to a certain extent.

If there were no industry offering something which it sold to the public as "air conditioning," there might be no objection to describing any of these acts or articles as "air conditioners."

But since something called "air conditioning" is being advertised and sold to the public, it is in the interest of both fair competition and the public that there be a mutual understanding of what this term means. For this reason the National Better Business Bureau has made a careful inquiry into the subject with a view toward defining air conditioning for the guidance of all who are interested in maintaining public confidence in advertising.

We find agreement among the manufacturing industry, architects and heating and ventilating engineers that "air conditioning," generally speaking, is the scientific preparation and simultaneous control of the atmosphere within a structure. The atmosphere is affected by such factors as temperature, humidity, motion, distribution, dust, bacteria, toxic gases, and ionization. The three factors which probably affect human comfort to the greatest degree are temperature, humidity and motion of the air. It is the simultaneous control of these three factors which scientific authorities agree constitutes the minimum requirements for air conditioning. Because the functions performed for air conditioning in the summer differ from those required in winter and because units are offered to the public which produce air conditioning in the summer, but not in the winter and vice versa, the following classifications and minimum requirements of air conditioners have been adopted by the trade, scientific authorities and the National Better Business Bureau.

Summer Air Conditioning should perform, as a minimum, the following functions: (1) cool the air, (2) dehumidify the air, (3) circulate the air.

Winter Air Conditioning should perform, as a minimum, the following functions: (1) heat the air, (2) humidify the air, (3) circulate the air.

Year-Round Air Conditioning should perform, as a minimum, the following functions: (1) cool and dehumidify the air in summer, (2) heat and humidify the air in winter, (3) circulate the air.

It is understood that the functions required by the season of the year are performed automatically and simultaneously to meet the specific minimum requirements of the user.

The Bureau requests the coöperation of all interested in fair advertising in eliminating the use of the term "air conditioning" or "air conditioner" or "air conditioned" to describe such articles as fans, humidifiers, odor absorbers, underwear, hats, etc. Loose terminology of this nature may not necessarily deceive the public but it paves the way for a manufacturer who may wish to "cut corners" to offer to the public air conditioning equipment which does not perform the minimum functions of air conditioning as generally understood by the trade; justifying his deception by claiming that the term "air conditioning" has no exact scientific meaning.

Recently the Federal Trade Commission considered a case where the manufacturer of a radiator evaporator claimed to be selling an "air conditioner." After due investigation into the proper use of this term, the Commission issued the following release:

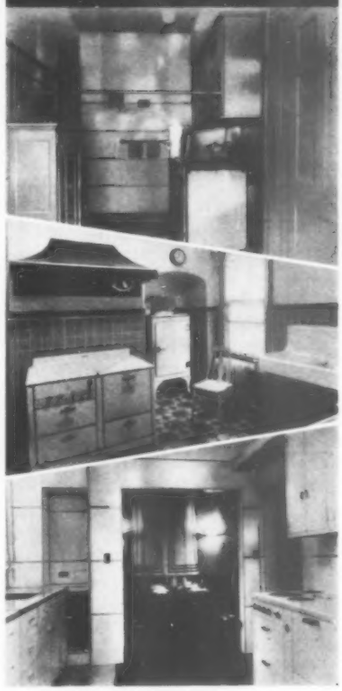
"Unfair advertising through use of the words 'air conditioner' to describe a device which is not an air conditioner, as those words are generally understood in the trade, will be discontinued by George Landon and Michael Mason Warner, of Chicago, trading as Landon and Warner, under a stipulation entered into with the Federal Trade Commission.

"Landon and Warner agree that in selling a humidifier they will not use in their advertising matter the words 'air conditioner.' The stipulation points out that the respondents' apparatus performs only one of the functions of an air conditioner, namely, that of supplying humidity."

The Bureau recommends that publishers, advertising agencies, and advertisers apply the definitions given herein in the censorship and preparation of advertising copy. —NATIONAL BETTER BUSINESS BUREAU, INC.

Note: Attention is also called to the fact that Standards for Rating and Testing Air Conditioning Equipment have been formulated by a Joint Committee composed of engineering representatives of the American Society of Refrigerating Engineers, the American Society of Heating and Ventilating Engineers, the Air Conditioning Manufacturers' Association, the Refrigerating Machinery Association, and the Refrigeration Division of the National Electrical Manufacturers Association. These standards embody the best thought of leading air conditioning tech-

MARSH **WONDER WALLS** LEND CHARM TO KITCHENS



• Easily installed over old or new walls by any good carpenter using ordinary carpentry tools, with little or no muss . . . gay and cheerful in coloring . . . a brightly burnished surface, easily washed . . . not expensive . . . MARSHTILE and MARLITE accomplish interior miracles almost overnight by remaking dingy kitchens and shabby bathrooms into charming, modern rooms. Send for illustrated folder in colors . . . free on request.

MARSH WALL TILE COMPANY
36 MARSH PLACE
DOVER, OHIO

See our display in Radio City, Shop No. 15 Concourse, R. C. A. Building, New York City

Please send free illustrated folder and name of nearest MARSHTILE dealer to

Name _____

Address _____

Town _____ State _____

MARSH WALL TILE COMPANY

"T/N's QUIETNESS WAS THE DECIDING FACTOR . . . but its many other features, such as positive prevention of water supply contamination, non-overflow, and independence of any wall in installation all helped to sell us on the T/N." Non-overflow prevention means no messiness or possible water damage to floors and ceilings. With the tank on the same level as the seat, the T/N one-piece construction permits it to be placed in a corner, below a staircase, even under a window. T/N is available in a surprisingly large array of colors, climaxed by specially designed fittings. You will find the T/N in most of the expensive bathrooms, yet it is priced to meet the budget of the modest home.

T/N ONE-PIECE WATER CLOSET

We have prepared detailed information, with illustrations, to show you many advantages of the T/N one-piece water closet in REMODELING and NEW BUILDING. It's yours for the asking.

W. A. CASE & SON MFG. CO. Founded 1853
Dept. A-36, 33 Main St., Buffalo, N. Y.

PLEASE SEND ME COMPLETE INFORMATION ON THE T/N ONE-PIECE WATER CLOSET . . .

Did You Ever Dust With Paper?

If not, we want you to try KVP Dusting Paper, at our expense. This wonderful paper is as soft as old linen and is treated with a fine furniture polish that protects the finish as you dust.

Wouldn't you like to try this easy and more sanitary way? Just drop a note to Irene Barnes, Dept. A. H., and we'll gladly send you a free sample. It's sold by leading department and specialty stores.

KALAMAZOO VEGETABLE PARCHMENT CO.
Parchment (Kalamazoo County) Michigan

nicians and enable a purchaser of air conditioning equipment to buy with a greater degree of certainty of securing an air conditioning installation which will furnish the air conditions he desires.

New products for new homes

[*Continued from page 37*]

COLOR: Even door knobs have not been neglected. This past summer a new line of colored door knobs was placed on the market. The colored part of the knob can be changed should a new color scheme be decided on in future years. Price compares with the ordinary inexpensive glass knob.

This same idea of color has been applied to supply valves. Now your hot and cold water or steam supply lines can be plainly and permanently indicated.

KITCHENS: A new feature in one of the standard makes of gas ranges makes me think of the theatre pits in which the musicians are carried up to eye level. In this range, all you have to do is to lift the broiler top and the whole compartment lifts right up so that the bottom of the broiler is level with the top of the stove. This does away with stooping or peering into a dark oven.

And, of course, garbage disposal has not been neglected by manufacturers anxious to provide greater convenience. Now you can have a unit installed that grinds up food waste so fine that it all just flows easily down the kitchen drain and off to the general sewage system. Even hard bones are ground up by this device.

Less spectacular is the burning of food waste in an incinerator. New equipment has been developed that supplies oxygen so fast that a much hotter fire is developed and so combustion is more complete. This oxygen is not only fed right into the pile of waste, but also into the rising gases which are also combustible. Space is conserved, masonry construction simplified—and all at a lower cost.

A brand new idea in electric ranges is to bring the range right out in the middle of the floor, so that it can be used at any angle. Of course the range is round—in itself quite an innovation.

ELECTRIC SERVANT: Have you ever wanted to listen to a particular radio program and neglected to turn on the switch until the program was mostly over? Now you can have a clock that will turn on your radio—or electric toaster, or percolator, or what not—at any given time.

GLASS: Glass is a material that is beginning to come into its own in residential building. We now

RU-BER-OID *Creates*

from Asbestos-Cement Wood-Textured Shingles & Sidings *of* Distinguished Beauty

Close-up of Tapered Timbertex Shingles for Roofs.

Residence of William Orr, Garden City, L. I. Re-sided with Eternit Colonial Timbertex Asbestos-Cement Siding Shingles.

● FIRE-PROOF
● ROT-PROOF
. . . yet Moderately Priced!

Here's real news to thrill you! A charming cypress-textured shingle for roofs and sidewalls—fire-proof, rot-proof, termite-defying. No stain or paint will ever be required to prolong its life. The trade name is Eternit Timbertex.

Timbertex Shingles and Timbertex Sidings are made from long-lived Asbestos-Cement, yet they faithfully reproduce the choicest designs of wood graining—in a selection of several popular "wood" colors. The color pigments are an integral part of the material. They age gracefully and with mellowness, a constant reflection of your own individuality and good taste. Neither time nor weather will ever affect their wearing qualities.

When applied over old roofs or weather-worn siding materials, you also gain an insulating value—which saves remarkably in fuel costs. The costs need be no hardship, for the Ruberoid Easy Payment Plan provides low government rates, with no down payment, and as long as three years to pay.

Today, the sensational Timbertex Products can be bought at a surprisingly low price . . . and they reduce your maintenance costs. If you plan to build or modernize, investigate this roofing and siding triumph. Write to us, outlining your problem—or mail in the coupon below.

Free VALUABLE BOOKLET full of practical suggestions every home owner and prospective builder should have.

RU-BER-OID
ROOFING AND BUILDING PRODUCTS

Check the Ruberoid Building and Modernization Products which interest you:

☐ Asbestos-Cement Shingles
☐ Asphalt Shingles and Roofings
☐ Asbestos-Cement Sidings
☐ Asbestos Pipe Covering
☐ 'Newtile' for bath and kitchen walls
☐ Safe-n-Dry Sheathing Paper

The RUBEROID Co. AH3 36
500 Fifth Avenue, New York, N.Y.
☐ I am interested in Modernization.
☐ I am planning to build.
Please send your free booklet and full facts about the products checked.

*Name*_____
*Address*_____
*City*_____ *State*_____

All this PYREX WARE *for* $1.95

The most frequently used Pyrex dishes, including popular double-duty casserole with pie plate cover

HERE'S a practical set of Pyrex Brand Ovenware . . . made up of the very dishes that women prize and use most of all.

The double-duty casserole has a cover that may be used as a shallow baking dish or a pie plate. Six custard cups—used for cup cakes, too, frozen dishes and other desserts. The 9½" pie plate—for pies and other baking uses. And a measuring cup that you can actually see through. It holds boiling-hot or ice-cold liquids without breaking.

They're things of beauty, these Pyrex dishes. Economical, too. They absorb heat—actually require 20% less heat, on the average, than metal dishes. And they save you time and dishwashing. For you use the dishes themselves for serving . . . even leave them in the icebox overnight. They'll stand heat and cold equally well.

In stores everywhere, you'll see this special set—9 lovely pieces (really 10, counting double-duty casserole cover)—for only $1.95, attractively boxed.

Corning Glass Works, Corning, N.Y.

ALSO 8 pieces for $1.00—9½" pie plate, 6 custard cups and measuring cup that holds hot or cold liquids without breaking.

PYREX *Ovenware*

T. M. Reg. U. S. Pat. Off.

have glass wool for insulation, glass bricks either hollow or solid that can be used for exterior walls or for decorative partitions. The hollow or vacuum type bricks cannot be seen through. Pilasters, structural columns, etc., are made of the same kind of glass as is our Pyrex cooking dishes. Through the architectural development of this kind of glass, we can have lighted columns, door casings, etc.

METAL LUMBER: A number of manufacturers have been developing metal lumber in order to provide a fire-safe, termite-proof frame. One of the latest systems provides a composition covered with metal which can be nailed into or quickly cut with a hack saw right on the job. Floor slabs are of a fireproof composition material. The manufacturer of this system very sensibly is not attempting to build a standardized house, but rather to provide an improved method of construction that will be suitable for use in accordance with any architect's carefully worked-out plans.

A plaster base combined with paper is now made "Metallated" or covered with aluminum foil so that it serves the dual purpose of a plaster base and insulation combined.

METAL AWNINGS: In line with the general tendency to supply materials that are fireproof, a new awning made of metal has been placed on the market. This awning folds up nicely, and should last a lifetime.

And so it goes. The list of new materials and equipment is almost endless, and even your architect may not know them all. And so it is up to you yourself to keep in touch with the new things, or things that may be new to you, through advertising pages. A home is a very personal thing, and nobody but yourself can really and truly be sure that the products chosen are those which will satisfy you most.

For Home Nurses

In squeezing out hot cloths for application in sickness or injury, I find a potato ricer invaluable. With a long-handled fork, lift the folded cloth from boiling water into ricer and squeeze. Empty into a folded bath towel and presto—a steaming hot pack for the patient, with no discomfort or injury to nurse's hands. MRS. CHARLES S. WALKER, Tulsa, Okla.

Snaps That Stay Put

When sewing snaps on garments use the buttonhole stitch and the snap will stay in place longer than if the regular sewing stitch is made. J. B. MCDEVITT, Hattiesburg, Miss.

PINK *your way to Smartness*

with WISS Pinking Shears at $4.95

Chromium Plate $5.95

(slightly higher in Canada)

"What a ducky cape! But, oh, the price!"

WEEP no more, milady! Relax and decide to make it! Yes, with all those ruffles. Why, it's simple. Just take your PINKING SHEARS in hand and cut the pieces out and, notice *this*—the edges are all finished as you cut. Sew the pieces to the foundation according to the pattern. A few final stitches and you're done. No eye-wearying hand-hemming, no expensive picoting, no hand-rolling. But a soft, fluted edge, without bumps or humps, nor amateurish-looking stitches to mar the delicate smoothness of the ripply edge. That salon-ish look! And what fun!

WISS Shears are available at your favorite department or cutlery store—or we'll be glad to fill your order upon receipt of remittance.

PEDICURE SCISSORS

Start that Beauty Treatment with WISS Pedicure Scissors. They're curved for your convenience and cut heavy or light nails to the queen's taste! As illustrated, $1.35 (slightly higher West of the Rockies and in Canada.)

WISS *Shears & Scissors*

Made in Newark since 1848

Mail in Envelope or Paste Coupon on 1c Postcard

J. WISS & SONS CO. F-3
Newark, N. J.

Mail me illustrated literature showing complete line of WISS Shears and Scissors.

Name .....

Street .....

City ..... State .....

Dinner for eight!

FLORENCE M. COMBS

A FAVORITE dinner at our house is one of foreign flavor, hot, zestful, and full of color both as to table appointments and food. It never fails to bring forth delighted comment. It may be the answer to that casting about in your mind for something different.

The quantity given here will serve eight, but is easily cut to serve four or six.

Menu

Antipasto
Crackers Whole wheat wafers
Fenucchio Black olives
Meat balls Milanese
Hot French rolls
Macaroni or curly spaghetti
Salad of endive, lettuce hearts, escarolle
Fresh fruit
Cheese—Gorganzola, Roquefort, Swiss
Coffee

The day before the dinner I go to market. From the colorful open stalls I choose my meat and vegetables, fruit and cheese, as easily and as effectively as though I were in that great market of the Halles Centrales in Paris. My carefully made list in my hand I dash from stall to stall; to my butcher who is Swedish, to the Sicilian peasant woman who grows endive and escarolle as tender and crisp as any I have ever tasted in France. To Tony for fenucchio; he grows it in black loam, on Beaver Dam land: but we both agree that it is never as sweet as the fenucchio of Italy for the same reason I suppose, that Italian garlic is far milder than that grown in our newer soil. Across the aisle is Victor, the fruiterer, he is Russian, but he looks Greek! From his carefully stacked pyramids of glowing color I choose my combined centerpiece and dessert. Beyond is my good American cheese merchant, whom I can always trust as to the age and quality of his savory commodity.

It is a gay and interesting hour or two I spend in completing my list and stowing my baskets in the car. When later, I dump all this beauty of vegetables and fruits into my cheerful red and yellow kitchen I fairly beam with the joy and pride and happiness of my calling as housewife.

Greens put to chill

The salad greens are looked over, washed, and put in a tight container in the ice-box all ready for the salad bowl when I need them.

Next morning, after the dishes are out of the way and I may have a free kitchen I make the meat balls first of all.

There's constant need for cleaning in a home where children romp with a dog. Dog's hair on rugs and furniture—dirt tracked-in—and floors that must be safely clean for little folk to play upon. This is no task in homes that have a

CADILLAC

1911 — 25th YEAR — 1936

VACUUM CLEANER

Picks up dog-hair—gets deep-in dirt and cleans thickest rug or worn carpet thoroughly. Beating—sweeping — suction action. 3 models, $49.50, $39.50, $29.50—all with electric light. Ask your dealer, or write for pamphlet to

3 New Models—all with Floor Light

CLEMENTS MFG. CO.
6650 S. Narragansett Ave. CHICAGO, ILLINOIS

YOU KNOW IT'S YOURS
when marked with
Cash's
WOVEN NAME TAPES

12 DOZ. $3.50
9 DOZ. $2.50
6 DOZ. $2.00
3 DOZ. $1.50

Mark your clothing and linen with CASH'S NAMES—save loss and misuse at home or away. Choice of styles and colors. Neat, permanent, low priced. Easily attached with thread or Cash's NO-SO Cement. Order NOW from your dealer or us.

TRIAL OFFER: Send 15c for 1 dozen of your own first name and sample tube of NO-SO Cement.

CASH'S 186 Chestnut St. So. Norwalk, Conn., or 6223 So. Gramercy Place, Los Angeles, Cal., or 126 Cray St., Belleville, Ont.

NEW HOUSE PAINT

★ LOOKS LIKE ENAMEL
★ WASHES LIKE GLASS
★ WEARS LIKE IRON

HERE is an amazing new kind of house paint. T. T. O. is made with Tung Oil, the famous Oriental preservative used in the finest varnishes and enamels, but never before in exterior paint.

T. T. O. is double wearing, double lustrous, enamel-smooth — of lasting beauty. It is washable. It is permanently elastic. It saves painting expense. There's nothing like it!

T. T. O. is available in nine beautiful colors—either glossy or dull finish—also white, black, aluminum and primer. Mail coupon today for booklet and color proof panel—FREE.

THE O'BRIEN VARNISH COMPANY,
100 Johnson Street, South Bend, Indiana

Name .....
Street .....
City ..... State .....

O'BRIEN
T.T.O.
THERMOLYZED TUNG OIL
U. S. PAT. NO. 1903686 • CANADIAN PAT. NO. 331149
A NEW KIND OF PAINT

Meat Balls

- 3 pounds of ground round steak
- 1 pound of ground pork, or mixed pork and veal
- 2 cupfuls of coarse bread crumbs
- 3 cloves of garlic, cut very fine
- 1 cupful grated Parmesan cheese
- ½ cupful of finely chopped parsley
- 1½ teaspoonfuls salt
- ½ teaspoonful black pepper
- ½ teaspoonful crushed leaves of dried Italian thyme
- 4 eggs

Place the meat in a large mixing bowl. Sprinkle the dry crumbs with cold water, a little at a time until they are quite moist. Add them to the meat; mix all other ingredients including the whole eggs, and knead with the hands until it is a smooth mass. Moisten hands with cold water and shape the meat into balls the size of a small egg. Set aside, and start the tomato sauce.

This is real Milanese cookery, and the recipe is one I brought myself from a heavenly visit to a friend's villa overlooking the Lake of Como. It sounds more work than it really is—and the result is quite worth the effort.

The Sauce. Open two number 2½ size cans of tomatoes and place in a large heavy kettle. Put on the stove to simmer. In an iron skillet place one cupful of good olive oil. When this is hot put in the meat balls and fry them carefully, a few at a time, until they are a deep brown, and sufficiently cooked so they will not lose juice. Stack on a platter and set aside until one hour before dinner.

Peel and chop fine two large onions and two cloves of garlic. Fry these until clear and yellow, but not brown, in the same oil in which the meat was browned. When the onions are almost done put in two tablespoonfuls of thick tomato paste, or *conserva* as the Italians call it, and half a teaspoonful of the dried thyme. This frying is necessary to give a mellow *blend* to the resulting sauce, instead of a green raw taste. Now pour the entire contents of the skillet into the simmering tomatoes. Add one teaspoonful of salt and a bit of black pepper and simmer, stirring occasionally, for two hours. A good foreign cook never allows a "green" sauce to be served, and only long and "loving" cooking achieves a perfect sauce.

The tomato paste, the dried herb, which I buy under the name of Italian thyme—though to me it looks like a dried marjoram—the curly spaghetti, grated Parmesan, and the antipasto all may be bought at the Italian importers in any small city.

The sauce may be set aside when it has finished cooking. I make the French dressing for my salad, and put that, with the olives and two cans of antipasto, into the refrigerator to chill. I use real olive oil for the dressing, it has a much better flavor than the cottonseed oils.

Real old-fashioned

Molasses **Gingerbread** always Goes Big

and only real plantation molasses gives the taste young people love

When you find a group of people having a lot of fun—a party going full tilt—you'll very often find gingerbread right in the middle of things. For there's nothing that enjoys more all-round popularity.

And if you go behind the scenes to find out how your hostess makes her gingerbread, you'll discover she uses Brer Rabbit real plantation molasses for true old-fashioned taste and fine texture.

Ginger and spices alone or even brown sugar won't give that old-time taste so important to gingerbread. And it's that taste you get when you pour Brer Rabbit Molasses into your batter.

Try using the 100-year-old recipe at the left. It's been handed down and enjoyed from generation to generation for all that time. Use Brer Rabbit Molasses in it. It's made from the choicest grades of freshly crushed Louisiana sugar cane. That's what makes it good to eat and good for you.

. . . Then—have you tried that same rich Brer Rabbit flavor in ***Baked Beans?*** Three tablespoons to a can before heating make them a rare treat!

Great-Grandmother's GINGERBREAD RECIPE
(Over 100 years old)

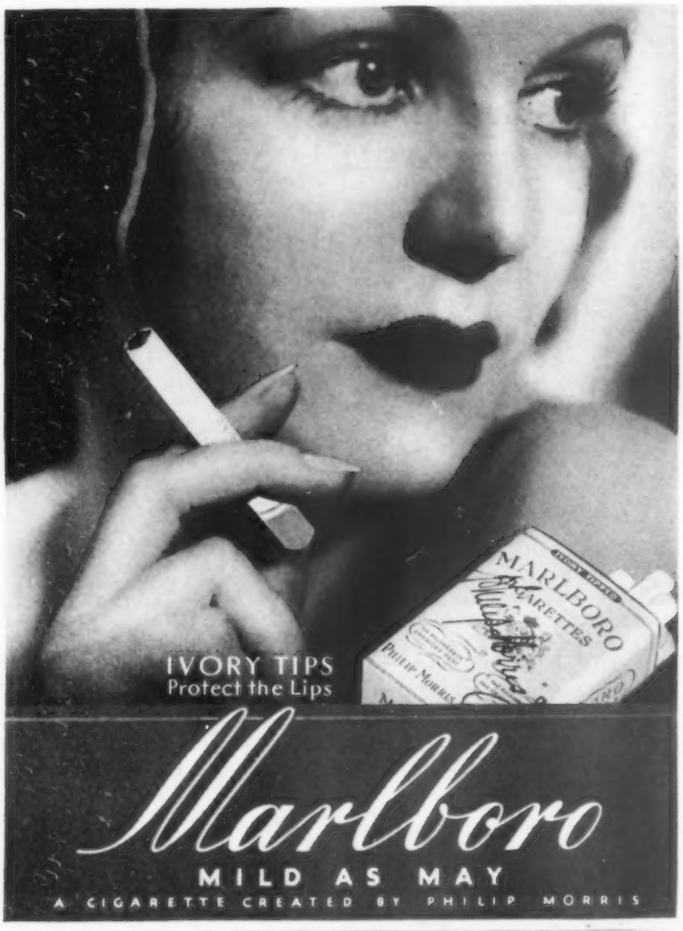
½ cup sugar, ½ cup butter and lard mixed, 1 egg, 1 cup Brer Rabbit Molasses, 2½ cups sifted flour, 1½ teaspoons soda, 1 teaspoon cinnamon, 1 teaspoon ginger, ½ teaspoon cloves, ½ teaspoon salt, 1 cup hot water

Cream shortening and sugar. Add beaten egg, molasses, then dry ingredients which have been sifted together. Add hot water last and beat until smooth. Bake in greased shallow pan 40-45 minutes in moderate oven (350° F.). Makes 15 portions.

BRER RABBIT
Real Plantation Molasses

FREE Recipe Book Penick & Ford, Ltd., Inc. Dept. AH24, New Orleans, La. Please send me free Brer Rabbit booklet with 94 recipes for gingerbread, cookies, muffins, etc.

Name _____
Street _____
City _____ State _____



Marlboro

MILD AS MAY

A CIGARETTE CREATED BY PHILIP MORRIS

For Perfect Fit

before and after washing

. . . Demand Slip Cover Fabrics that are Sanforized-shrunk

This spring Sanforized-shrunk is a feature of many stunning, colorful linens, crashes, cretonnes and novelty cottons. They will not shrink in repeated washings because they are already completely and permanently shrunk. Be sure to insist on Sanforized-shrunk whenever you buy slip cover and drapery fabrics. Available at leading department stores or through your decorator.

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Sanforized-Shrunk

40 WORTH STREET NEW YORK CITY

When properly made this seems to me to be a perfect French dressing:

French dressing

7 tablespoonfuls olive oil
3 tablespoonfuls tarragon vinegar
1 teaspoonful salt
½ teaspoonful of Worcestershire sauce
1 teaspoonful *brown* sugar
1 teaspoonful paprika
½ a clove of garlic

Make this in a flat bowl, beat altogether with a fork until thick, then chill. When ready to serve the salad, remove the garlic, beat again, and pour over at the last minute.

The fenucchio is scrubbed, cut into fourths lengthwise, and set aside to crisp in ice water. It somewhat resembles celery, tastes of anise, and is sometimes sold under the name of Florentine fennel in America.

Late in the afternoon I set my table. A large white cloth, silver candlesticks with white candles, gold and white china. All glass is a glowing ruby red; warm enough to warm the cockles of the hardest heart!

A big red glass plate is lined with the green leaves of English ivy, washed and shining. Pale yellow bananas, bright red apples, tawny oranges, lacquer persimmons, a pomegranate or two, and the whole tied together with waxen green grapes, forms as lovely a centerpiece as an artist would wish. I place small mounds of translucent candied cherries on three or four ivy leaves and stud them among the fruits. There is my centerpiece —also my dessert.

The tender, white leaves of the endive and escarolle, and the heart of a head of Iceberg lettuce are broken into the big wooden salad bowl. Long, very fine, strips of sweet red pepper are strewn across the top, the bowl is tightly covered and set to chill until the meat course is served. The dressing will then be poured over it and the salad tossed at the table.

The coffee cups and the silver service are prepared on a side table; the cheese plate arranged; the water crackers ready to be heated, also the crisp French rolls.

It is now six o'clock and I heat the tomato sauce and drop in my meat balls to finish their cooking over a low, slow fire. At six-thirty I boil a gallon or so of salted water in a large kettle and break a pound and a half of curly spaghetti into it. This should be done in about twenty minutes. The Italians say we boil our paste too long. It should be just tender, never mushy.

At seven I drain the spaghetti, set the colander over hot water to keep it warm; put on the fenucchio and olives and salted crackers, and the antipasto. I serve the latter in open cans on a platter surrounded with a bit of greenery. It is so nicely arranged in the cans it is a mistake to remove it. Each guest helps himself on a glass salad plate.

Then I light the candles—and announce dinner.

After the first course is over, place the spaghetti on a turkey platter, strew with the grated Parmesan cheese, dip a goodly quantity of the tomato sauce over it, and surround the entire platter with beautiful brown meat balls and sprinkle the whole with grated cheese. Chianti, in a straw covered bottle, is served with this course. Nothing else seems to be more appropriate.

The host serves the dinner plates at one end of the table, the hostess tosses and serves the salad at the other.

A good warmth pervades the dining room; the foreign flavor of the food often produces interesting stories of travel from guests who have been all too reticent; the plates and glasses are re-filled; the pungent fenuuchio brings forth delighted comment. The first course removed, the cheese and the lovely fruit plate, the cigarettes and coffee are left to be enjoyed. And when finally you rise to lead the way to the living room fire the animated talk flows on, and you hear a charming guest saying "on one of the little canals in Venice there is a restaurant"—and you relax, and listen, and know that you have planned well!

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"Russian Tea Loaf"

"Hors d'Oeuvres Pie"

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Soufflé secrets

OLIVE B. HARRISON

A SOUFFLÉ might be called the French Chef's Delight. Who that has eaten a real French meal does not know it? It may have been across the seas or in our own exotic New Orleans, that interesting paradoxical mixture of old world and new. At any rate it was an occasion not to be forgotten. Perhaps it was one of those times when you and your party climbed the thickly carpeted stairs of one of those famous "restaurants" and the decorous yet very observant waiter suggested an omelet soufflé to top off the shrimps à-la-Louisianne and the cognac coffee. And the wonderful thrill that could never be equaled of that moment when the delicately browned cone appeared with your name embossing its surface!

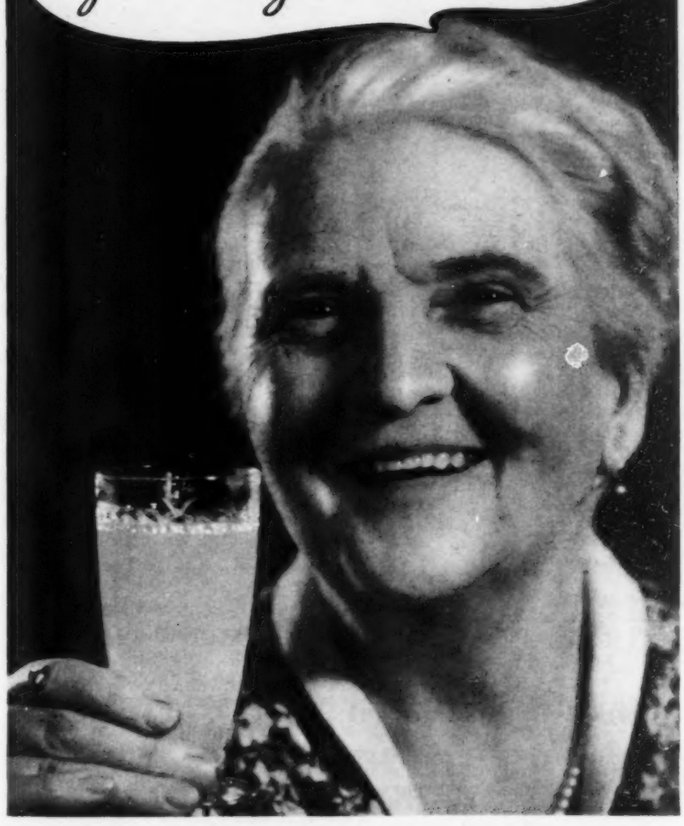
It is a thrill of another sort to turn out a perfect soufflé at home and to witness the delight of your guests or your husband. And it is not difficult when you have learned the few secrets involved. The first one begins at the finished end, for it is imperative to know that any soufflé can be spoiled in the serving. A perfect soufflé is like a fine sponge all the way through, with no wet spot in the center and, being nothing much more than a puff of egg whites, as the name implies, it will begin to shrink and shrivel if it has to stand and wait. So it is well to pick a night when you are sure that John will not be late at the office or to choose a time at luncheon when you can be reasonably sure that your guests will arrive on schedule. Then estimate your time for serving and start your preparations one hour ahead, for most soufflés take thirty-five minutes to bake and about twenty-five minutes to prepare.

This much determined, the next step is to get ready all the utensils. Ordinarily you will need two egg beaters, a rotary and a flat beater, a medium-sized bowl and a good-sized platter, a measuring cup, a teaspoon, and a tablespoon. There are two kinds of soufflés, one made from nothing but eggs properly mixed and flavored, and the other made with a cooked foundation. The latter will require the use of a small saucepan in addition to the other utensils named.

Lemon Soufflé

Let us start with one of the simpler kinds, say a lemon soufflé. For this we need four eggs separated, the yolks in the bowl and the whites on the platter. Care must be taken that there are no particles of yolk in the white or the texture of the whites will be impaired and keeping it in perfect condition is one of the most im-

Bless my soul! —nobody *but* Del Monte could put up a pineapple juice as good as this



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Even so, I wasn't prepared for this pineapple *juice*. Such flavor! Real, rich pineapple flavor—in golden liquid form. I declare—it's one of the finest, freshest drinks I ever tasted.

And like all DEL MONTE Products—not a bit extravagant, either!

Why not try DEL MONTE Pineapple Juice yourself? Enjoy its rich refreshment. See if *you* don't get a new idea of how a pineapple juice should taste!

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portant things. If a little of the yolk does get into the white by mistake it can best be removed with a piece of egg shell. Now, with the rotary beater, beat the yolks until they are thick and lemon colored. Next, measure one cupful of sugar and add it to the beaten yolks, a little at a time, all the while continuing the beating until the sugar is thoroughly mixed in. Then stir in the grated rind and the juice of one lemon. This brings us to the egg whites which, with the flat beater, should be whipped until the surface is dry and they will adhere to the platter so that it can be turned completely upside down without having them fall off.

The grand trick of the whole process is to combine the yolk mixture and the egg whites so that the whole mass will be a smooth yellow sponge and few of the precious air bubbles will be broken, for it is the expansion of the air in these bubbles while they are in the oven that makes our soufflé. To accomplish the result we use what is known as a "cutting and folding" motion like this:

Scrape the beaten egg white into the bowl with the yolk mixture. Then take the tablespoon, hold it up sidewise and cut it down through the center of the mass until it hits the bottom of the bowl. Now bring it up along the edge of the bowl allowing it to turn completely over in the hand. Repeat the movement until the mixing is complete, always beginning by cutting down through the center. A soufflé must never be beaten or stirred or it will flatten out hopelessly.

For baking use a dish that can be used for serving too. Butter it well and turn in your soufflé. Set the dish in a pan of hot water and bake it thirty-five minutes in a very moderate oven, 350 degrees or a little less.

Incidentally, do you always rinse off your egg bowls and beaters in cold water as soon as you are through with them? Washing later will be very easy if you do.

Chocolate Soufflé

Now for the other type with the cooked foundation. Chocolate soufflé is an old favorite. We begin by melting two tablespoonfuls of butter and then adding two tablespoonfuls of flour. These should be stirred over the fire until they are smooth. Then add three-fourths cupful of milk, still stirring constantly. Continue the stirring and the cooking until the boiling point is reached. In the meantime, melt one and one-half squares of unsweetened chocolate over hot water. For this a double boiler may be used but the easiest way is to remove the cover from a tea kettle of boiling water and set a small pan on top of it. To the melted chocolate add a third of a cupful of sugar and two tablespoonfuls of hot water, again stirring until a smooth paste is formed. Now combine the mixtures and add the yolks of the eggs well beaten. While this foundation is cooling the egg whites can be beaten as they were for lemon soufflé after which they must be cut and folded in also in the same manner. Flavor the mixture with a teaspoonful of vanilla and turn it into a buttered baking dish. In an electric oven this type of soufflé may be baked at 350 degrees for twenty-five minutes without the pan of water, but in a gas range it is safer to use the water and add ten minutes to the time of cooking. Serve it with whipped cream. Lemon soufflé is delicious with hard sauce.

No more enjoyable dish for a luncheon could ever be concocted than a cheese soufflé. Here is a good recipe:

Cheese Soufflé

Melt two tablespoonfuls of butter and add three tablespoonfuls of flour. Stir until they are well mixed and add one-half cupful of milk and one-half cupful of cheese cut in small pieces. One-third cupful of grated cheese may be used instead. Cook, stirring constantly, until the mixture thickens and the cheese melts. Then remove from the fire and add one-half teaspoonful of salt, a few grains of paprika, and the yolks of three eggs well beaten. While the mixture cools beat the whites of the eggs until they are stiff and dry, then cut and fold them in and turn the soufflé into a well-buttered baking dish. Individual dishes will make the course intriguing if they are preferred. Set the soufflé in a pan of hot water and bake thirty-five minutes in a moderate oven.

Omelet Soufflé

But our discourse would not be complete without a peep into the secrets of that delectable fluff, omelet soufflé, which we thought only a French chef could make. Really it is the easiest of them all.

Separate two eggs and beat the yolks until they are thick and lemon colored. Add a fourth cupful of powdered sugar and a half teaspoonful of vanilla. Cut and fold in the egg whites beaten until they are stiff and dry. Butter a flat baking dish or a plate that can be put in the oven and pile the soufflé in a smooth cone in the center of it. If you are adept with a pastry bag, save out a little of the mixture and decorate the sides of the cone with scroll work. Sprinkle the whole with powdered sugar and bake in a moderate oven for ten minutes. Watch it as you would a meringue for it should be tinted a delicate almond brown and no more.

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A national architectural competition

HOUSE designs by architects who are thinking in terms of the new trend in permanent fire-safe construction, will be available to guide potential home owners, through the national architectural competition being conducted by the architectural magazine *Pencil Points* and the Portland Cement Association.

Edward J. Mehren, president of the Portland Cement Association, says the competition is intended to stimulate the creation of house designs correct architecturally, suited to the needs of families of moderate incomes, and adaptable to firesafe construction.

"Houses of really correct architectural design never go out of style," Mr. Mehren says. "There is no reason why the houses being built to meet the present housing demand cannot last for generations.

"Many new homes are being built of concrete, which appears to be particularly adapted to the newest type of house design. The Portland Cement Association is anxious to prevent the misuse of this versatile material and feels that a national competition will produce house plans helpful as a guide to the thousands of people now planning to build."

The concrete house designs entered in the competition must meet the economic and social needs of a family with two children, a boy and a girl, but without a full-time servant. Equal cash prizes of $1,500 will be paid for the two different designs best adapted to a northern and a southern climate. There are two second prizes of $750, and two third awards of $500 each. There are also twenty honorable mention awards of $50 in each of the two classes.

The competition, which closes March 9, is open to all architects and architectural draftsmen in continental United States.

Give a party!

[*Continued from page 44*]

of pipe-cleaners, wishing well candy cups, shamrock invitations—this is a centerpiece suitable for your own bridge club or a St. Patrick's party for your children.

A heavy cardboard box or carton 1½ inches in height, 20 inches long, and 12 inches wide, is covered with tan crepe paper to look like the sandy soil for the base of the St. Patrick's table designed by Alfreda Lee. The Shamrock House is made of two shamrock cut-outs at least 7 inches wide and 6 inches high. The stem should be about ½

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inch long and over 1 inch wide. Use very heavy cardboard. Cut a strip of softer, pliable cardboard 26 inches long and 2½ inches wide. This runs along the two outer edges of the cut-outs to hold them apart and form a box that is to shape the house. These pieces are fastened together with many narrow strips of gummed paper. Cover the entire frame with crushed bright green paper. Cut a door on one side, 2½ inches high and one inch wide. Cover inside of door with green paper and have it standing ajar.

Cut six pieces of white writing paper, 1 by 1½ inches. Mark these for the windows, and paste one in the center of each leaf of the shamrock—on both sides of the house. Paste clipped yellow paper (flowers) across bottom of windows and add a very narrow strip of heavy cardboard in some blending shade across base of flowers for window-boxes.

The lake is a mirror, pasted to the foundation. The well is a 6-inch piece of cardboard rolled into a tube that will be 5 inches in circumference. It is 1 inch high. Cover with brown crepe paper. Wind a 5-inch piece of pipe cleaner with brown crepe paper and bend into three sides of a square. Fasten the two ends to opposite sides of the well. Add piece of white string to cross-bar and allow to dangle down into water. Crushed green or blue Cellophane simulates the water. Assemble parts already made and fasten to foundation with thread wire. Crush green crepe paper and paste it all around and over edge of lake and around well to represent grass. Make paths the same way and have one leading from the house to the edge of the centerpiece, where the gate-post will be.

The fence is made of pipe-cleaners and white string. When you have decided where the fence is to go, make holes (using a thick pin) every inch along the fence-line, except across path on edge of centerpiece where gate-post is. Cut pipe cleaners into pieces 2 inches long. Insert a piece into each hole, allowing enough to protrude underneath to bend up against the under side of foundation. The pieces for the gate-posts should be ½ longer. Tie a piece of white string to one post and then span it to the first pipe cleaner, loop it around and then span it to the next pipe cleaner, etc. End off by tying tightly to other gate-post.

The dolls are made of two equal pieces of pipe cleaner, 2 to 3 inches long. Hold the two pieces together and twist the middle third to form the body. Bend the top ends out for arms and the other ends apart for legs. Wrap a tiny wad of cotton in white crepe paper for the head, and fasten it to the top of the body with thread wire. Draw in at joining for the neck. Wire to top of body. Roll about 1 inch of brown crepe paper, with the grain, very tightly and clip like fringe. Have the strips about 2 inches wide. Shake out the rolled part and you will have paper curls that will really amaze you. Paste to head of all dolls. Cut short for men. Mark in features with colored oil paints or enamel.

Dress girl dolls in full skirts, gathered at waist and ruffled at bottom. Cut width against grain and pull slightly for fullness at hemline. Paste on tiny white squares for aprons. Add bow at back and band around waist. Pad waists slightly before dressing dolls. Sleeves are made by wrapping ¼" strips of crepe paper around and around arms. Bodices are made the same way.

Men's trousers are started like the girls' skirts, but are slit up the middle of front and back, pasting cut parts of each to form legs. These trousers should be baggy to the knees, then drawn into a band at the calf. Make skirts the same as girls' bodices. Belts and buttons are attractive details. Add a bit of brown paper for shoes.

Bend up tiny bit on ends of arms and legs to form hands and feet. Wire one foot to foundation and bend dolls into desired positions. Have one carry a heavy stick, another a fishing rod—half a toothpick with wire for string. Put hats on a couple of the dolls—tubes of crepe paper, with bottom edge stretched out.

This Irish scene should delight all your guests; and most surprising of all, it is extremely easy to make.

The Place-cards are adorable Irish lassies. These are made of pipe-cleaners the same as the dolls used on the centerpiece. These, to be more effective, are 6-inch pipe-cleaners. Hold two of the cleaners together, parallel, and twist the middle third for the body. Pad the torso with cotton. Bend out the ends for arms and legs. Use wads of cotton ¾ inch in diameter for heads. Wrap this cotton in 3½-inch squares of white crepe paper. The skirts should be strips of green crepe paper 12 inches long and 2½ inches wide. Gather along one long edge with needle and thread and pull in around waist. Use ½-inch wide strips for winding bodice and arms. Cut white crepe paper into pieces 3 by 1¼ inches and draw around shoulders as capes. Gather narrow ends in front. Aprons should be 2 inches long and 1½ inches wide. Gather slightly at waistline. Cut 4-inch strips, ½ inch wide, and use as sashes. Paste slightly at waist to cover gathers of cape-collar and apron. Paste into bow effect in back. The hair is made of strips of brown crepe paper, 2 by 3 inches. The 2-inch side should be with the grain. Roll this side up tightly to within ½ inch of other end and clip like fringe while tightly rolled. Shake

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ROYAL PUDDINGS CHOCOLATE VANILLA

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this out to form curls. Paste around head. Smaller curls may be used as bangs. Add bits of brown paper for shoes and bend up ends of legs and arms for feet and hands. These Irish lassies are holding the place-cards. Cut the cards rather small and stick one in the hand of each doll. A 1½ inch nut-cup may be held in the free hand, filled with peanuts to represent potatoes in a basket, if desired. Fasten the dolls to cardboard foundations. Use very heavy cardboard about 2½ by 4½ inches. Cover with gold paper. Wire dolls to this by punching a tiny hole with a heavy pin, on either side of each foot and drawing a piece of thread wire from the under side of the foundation, up through one of the holes, across the foot, and down through the hole on the other side of the foot. Fasten ends of wire by twisting. Do the same to other foot. A piece of white paper a little smaller than the foundation, pasted on the wrong side to cover the wires will give your work a professional look.

Candy is placed in "wishing wells." Cover a 2-inch nut-cup with a strip of brown crepe paper, 6 inches long and 2 inches wide. Fold under at bottom and paste securely. Bend extending paper over rim of cup and paste to inside. Cover a 6-inch pipe-cleaner with brown crepe paper, (wind around) and bend into shape of top and cross-bar of well. Cross-bar should be 2 inches. Place ends into nut-cup and fasten securely with bit of adhesive tape or gummed paper. Cut a shamrock out of green cardboard (5 inches at widest part) for the "well" to be placed on. The green is the grass. Paste into place. Cut a narrow strip of white, thin cardboard, ¼ inch wide and 2 inches long. On this write: *Ye Wishing Well.* Paste to front of well. Add a short piece of gold or silver cord to the cross-bar and allow loose end to extend into cup. Cover candy with blue paper to simulate water in well if desired.

The invitations are shamrock cut-outs made from the same pattern used for the candy containers. Cut a piece of white writing paper the same shape and place it between two of the green cut-outs. Punch two small holes, one above the other, in the stem, and insert ribbon to form a booklet. Write your invitation on the white sheet.

RECIPES—ST. PATRICK'S MENU

Shrimp and Green Pea Salad in Green Pepper Cups

1 cupful shrimp
1 cupful cooked green peas
½ cupful mayonnaise
1 package lime gelatine
Salt and pepper to taste
Green peppers
Lettuce

Remove intestinal vein from shrimp. Moisten shrimp and peas

Tuna Fish Pie with Cheese Roll Crust

Royal's Surprise Recipe for March

It's a happy idea for Lent! This tasty, nutritious fish pie turns a meatless dinner into an especially satisfying, substantial meal. It tastes even better than chicken pie. But it doesn't *cost* like chicken pie—only one-third as much!

Tuna Fish Pie with Cheese Roll Crust

½ cup sliced green pepper
2 slices onion
3 tablespoons butter
6 tablespoons flour
½ teaspoon salt
3 cups milk
1 large can tuna fish, drained
1 tablespoon lemon juice

Melt butter; add green peppers and onion; cook until soft. Add flour; stir until well blended. Add salt; add milk slowly, stirring constantly until thick and smooth. Bring to boil; boil 2 minutes. Add remaining ingredients. Pour into large baking dish and cover with cheese rolls. Serves 8.

Cheese Rolls

1½ cups flour
3 teaspoons Royal Baking Powder
½ teaspoon salt
few grains cayenne
3 tablespoons shortening
½ cup milk, or half milk and half water
¾ cup grated cheese
2 pimientos, chopped

Sift together first four ingredients; add shortening; mix in thoroughly with fork. Add liquid to make soft dough. Toss lightly on floured board until outside looks smooth. Roll out into sheet 8 x 12 inches. Sprinkle with cheese and pimiento. Roll up like Jelly Roll, starting at short side. With sharp knife, cut in 8 slices, flatten slightly and lay on top of creamed mixture. Bake in hot oven at 450° F. about 30 minutes until browned.

To be sure of a crust that is delicately flavored, light and tender, make it with Royal Baking Powder. Royal is made with Cream of Tartar, derived from luscious, ripe grapes. This pure fruit product gives an extra fineness of flavor and texture, and uniform dependability.

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with mayonnaise, and season with salt and pepper. Dissolve gelatine in 1 cupful boiling water and add 1 cupful ice water. Add shrimp and peas. Wash green peppers, cut off top and remove seed. Pour gelatine, shrimp, and pea mixture into pepper cups and chill. Serve on lettuce and garnish with mayonnaise forced through pastry tube.

Rolled Watercress Sandwiches

White bread
Butter
Chopped watercress

Chop watercress and blend with softened butter. Slice bread very thin. Cut off crusts. Spread watercress butter on bread and roll up quickly. Fasten with toothpick and chill in refrigerator to set butter. Remove toothpick before serving.

Vanilla Wafers

⅓ cupful butter
1 cupful sugar
1 egg, well beaten
¼ cupful milk
2 cupfuls flour
2 teaspoonfuls baking powder
2 teaspoonfuls vanilla

Cream butter, add sugar, egg, milk, and vanilla. Mix and sift dry ingredients, and add to first mixture. Chill, roll thin, cut in shamrock and clay pipe shapes. Place on a buttered cookie sheet and bake in hot (375° F.) oven till brown.

Pistachio Ice Cream

2 cupfuls scalded milk
1 tablespoonful flour
1 cupful sugar
2 egg yolks, slightly beaten
¼ teaspoonful salt
1 tablespoonful vanilla
1 teaspoonful almond extract
1 cupful chopped pistachio nuts
1 quart thin cream
Green coloring

Mix flour, sugar, and salt. Add egg yolks and milk. Cook over hot water for 10 minutes, stirring constantly. Take from stove, heat and add cream, nuts, flavoring, and green coloring until mixture is a pale green. Strain, pour into tray of mechanical refrigerator, and freeze, stirring several times during freezing.

RECIPES FOR FISH MENUS

Escalloped Crabmeat and Oysters

2 cans crab meat, flaked (about 3 cupfuls)
3 cupfuls oysters
1 cupful butter
½ cupful flour
3 cupfuls rich milk
2 cupfuls fine bread crumbs

Divide the butter. In ½ cupful sauté the crumbs until they are brown. Melt the other ½ cupful in double boiler and, away from the fire, add the flour and the seasoning. Blend well and slowly add the milk. Stir over hot water until thick and smooth. Oil a casserole and arrange layers of cream sauce, crabmeat, crumbs, and oysters. Top with crumbs. Bake for ½ hour in a moderate (350° F.) oven.

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Lemon Soufflé

4 eggs, separated
1 cupful sugar
grated rind and juice of 1 lemon

Beat yolks until thick and lemon colored, add sugar gradually, continue beating, then add lemon rind and juice. Cut and fold in egg whites which have been beaten stiff. Pour into a greased baking dish, set in a pan of hot water, and bake in a moderate (350° F.) oven 30-40 minutes.

Two-Tone Cocktail

1 part tomato juice
1 part sauerkraut juice

Mix together and chill thoroughly before serving.

Orange Ice

4 cupfuls water
2 cupfuls sugar
2 cupfuls orange juice
Grated rind of 2 oranges
¼ cupful lemon juice

Boil sugar and water together for 5 minutes. Add fruit juice and rind. Cool, strain and freeze in mechanical refrigerator, or in an ice cream freezer.

Ice Cream Wafers

½ cupful shortening
½ cupful sugar
1 egg, well beaten
¾ cupful flour
½ teaspoonful salt
½ teaspoonful flavoring
Walnuts

Blend sugar and shortening thoroughly. Add egg beaten until velvety. Then add flour which has been sifted with salt. Beat vigorously. Add flavoring and drop on greased cookie sheet like small marbles, well apart. Put nut meat in center of each cookie and bake 10-15 minutes in a hot (400° F.) oven.

Shrimp à la Newburg

1 pint shrimps
3 tablespoonfuls butter
1 teaspoonful lemon juice
1 teaspoonful flour
½ cupful cream
2 egg yolks, beaten
3 tablespoonfuls sherry
Salt and pepper to taste

Clean shrimps and cook for 3 minutes in 2 tablespoonfuls butter. Add lemon juice and cook 1 minute. Melt 1 tablespoonful butter, add flour and cream. When thickened, add egg yolks, shrimp, and sherry. Season with pepper and salt and serve piping hot.

[*Please turn to page 89*]

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Right from our own kitchen

Do you know the chayote? Last winter a great many grocery stores above the far southern states carried a semi-tropical newcomer among the temperate zone vegetables—the chayote. It is a member of the cucumber family, growing on a vine, and looks like a pale green pepper in shape, but instead of being hollow, it is as solid and hard as a potato. Although it is native to Mexico and Central America, the chayote is now cultivated as a garden vegetable in warm regions of many other parts of the world—wherever the ground freezes little or not at all. It is used extensively on the Island of Madeira. Although it belongs to the cucumber family, the chayote (pronounced "chi-o-ty") is quite different in flavor. It is mild and agreeable, and it has excellent fiber-free texture. There is one large flat seed which is edible. Two medium sized chayotes are enough for about six persons, for there is almost no waste. The serving of the chayote is recommended usually without mashing, because of the distinctive excellence of its texture. The flavor of the flesh is not unlike that of the vegetable marrow or of the summer squash but is even more delicate. This is distinctly a fall and winter vegetable.

Rules for cooking vegetables

Although the cooking of vegetables is in general very simple, thought should be given to the correct methods, for much of the natural flavor and food value may be lost by careless cooking. A few hints to the beginner and even to the more experienced housekeepers may not be amiss at this time.

All vegetables should be thoroughly washed in cold water before they are cooked. A small brush is a big help in cleaning all vegetables except the leafy ones.

Do not use too much water in cooking. Use only as much as is absolutely necessary to prevent burning. Use boiling water and add salt when vegetables are half cooked, unless otherwise stated. *Never use soda in cooking vegetables.* It heightens the color, but destroys the valuable vitamins.

Use water in which vegetables were cooked for soups, gravies, and sauces. Do not throw this water away as it contains vitamins which are water soluble, and would be lost if this water were not retained. The water soluble vitamins are B, C, and E.

When cooking onions, cabbage, or other strong juiced vegetables, place a thick slice of bread

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Heatilator Fireplace

(wrapped in cheesecloth to facilitate removal) in the kettle to absorb some of the odor.

Cook vegetables rapidly and only as long as is necessary to render them edible.

Potatoes are best in the fall, and keep well through the winter. To prevent freezing of the stored potatoes, keep a pail of cold water standing near them. Frozen potatoes have a sweet flavor which is due to partial dextrination of the starch. Sweet potatoes belong to a different family than white potatoes, and contain a larger percentage of sugar. Have potatoes of uniform size to insure even cooking. If the center of potato is still "bony" when you are almost ready to serve them, add two cupfuls of cold water—this drives heat to the center, thus accomplishing the cooking in a very short time. To retain full flavor and vitamin content of potato, peel after cooking. Sweet potatoes peel much more easily after cooking than before.

French or globe artichokes are prepared for boiling as follows: Cut off stem close to leaves, remove outside leaves, cut off one inch from the top. Tie with string so they will keep their shape, and soak for half an hour in cold water. Drain well and cook in boiling salted acidulated water 25 minutes to 1 hour, according to size. (Acidulated water is water to which 2-3 tablespoonfuls of vinegar have been added.)

To prepare asparagus for cooking—cut off lower part of stalk as far down as it will snap. Wash, remove scales and tie in bunches. Cook in covered kettle or asparagus cooker, standing upright in boiling salted water, leaving tips out of water so they will steam.

String beans, green or wax—Remove ends and strings. Cut in pieces. Wash and cook in boiling water, adding salt when half done. Soak dried beans overnight. Drain and cook in boiling water.

Select beets with fresh leaves. Cook whole in boiling water, with or without salt. Skin *after* cooking.

Broccoli—Select stalks with dark green, *tightly* closed buds. Cut off tough part of stalk and coarse leaves. Steam or cook uncovered in boiling water, adding salt last five minutes of cooking.

Brussels sprouts—Select light green compact heads. Remove wilted leaves, cut cross gash in stem end and soak fifteen minutes in cold salt water. Drain and cook uncovered in boiling water. Add salt last ten minutes of cooking.

Cabbage—Take off outside leaves, cut in quarters and remove tough stalk. Chop or not, as desired. Soak in cold salted water 20 minutes. Cook in small amount of boiling, salted water 15-30 minutes if quarters, 8-10 minutes if chopped. *Do not overcook.*

Sauerkraut—Drain kraut, cover with boiling salted water (or stock) and cook 35 minutes.

Carrots—Wash and scrape. Food value retained if not scraped. Cook in boiling salted water (or stock) until tender.

Cauliflower—Select white head with fresh green leaves. Remove leaves and stalk and soak ½ hour (head down) in cold salted water. Cook (head up) in boiling salted water until soft (about 20 minutes).

Celeriac—Scrub thoroughly, scrape or pare. Slice lengthwise. Cook in boiling salted water 15-20 minutes.

Celery—Wash, scrape and cut in pieces. Cook until soft in boiling salted water.

Swiss chard—Cook like spinach.

Chayote—Peel before or after cooking. Cut in half or quarters and cook in boiling salted water 20-35 minutes. Or bake like squash.

Green corn—Remove husks and silk. Cook 10-20 minutes in boiling salted water, or half milk and half water.

Cucumbers—Pare and cut in pieces. Boil until soft in small amount of boiling salted water or stock.

Dandelion greens—Cook like spinach.

Dasheens—Cook like potato. If scraped before cooking, add 1 teaspoonful of soda to water in which scraping is done to prevent irrita-

Humuhumunukunukuapuaa

Natives have given the above name to Hawaii's smallest fish, smaller in length than the name itself. Hawaii, lovely paradise for fishermen, offers Island housewives markets replete with piscatorial delicacies. But in a land where food can be bought fresh from the markets, from fish to mangoes and pineapples, your economically-minded Island women prefer their pineapple juice in DOLE vacuum-sealed cans.

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tion of hands. Do not add soda to cooking water.

Eggplant—Preparation of this vegetable differs with the recipes using it.

Fennel—Peel and slice bulb and as much of the stalk as is tender. Wash and cook in boiling salted water until tender—25-30 minutes.

Kale—Clean, cut off root. Wash in cold water. Cook in boiling salted water until tender—25-30 minutes.

Kohl-rabi—Choose small, pale green bulbs. Cut off tops. Peel and slice or quarter. Cook uncovered in boiling salted water until tender.

Leeks—Wash, trim, and cook in boiling salted water about 15 minutes.

Soak dried lentils overnight before using.

To prepare mushrooms—separate cap from stem. Peel cap and scrape stem.

Okra—Wash thoroughly, remove stems. Slice or cut in small pieces.

Scallions—Cook like leeks.

Onions—Remove skins under cold water. Make 1 or 2 gashes on root end. Cook in boiling water 5 minutes. Drain. Cover with boiling salted water, and cook until soft but not broken.

Oyster plant (Salsify)—Wash and scrape. Put in cold acidulated water to prevent discoloration. Cut in inch slices and cook in boiling salted water until soft.

Parsnips—Select young, small parsnips. Wash and cook until soft in boiling salted water. Skin after cooking.

Peas—Shell, cover with cold water and let stand ½ hour. Undeveloped peas will rise to surface of water. Reject these and drain remaining ones. Cook in small quantity of boiling water, adding salt last 10 minutes of cooking. 1 or 2 sprigs of mint added to peas while cooking imparts a delightful flavor.

Peppers are washed, seeded, and parboiled for 2 minutes before using.

Spinach — Remove roots and wilted leaves. Wash thoroughly. Cook (covered) in its own juices. *Do not add more water.* The water left on the leaves from washing and the natural juices of this vegetable are sufficient.

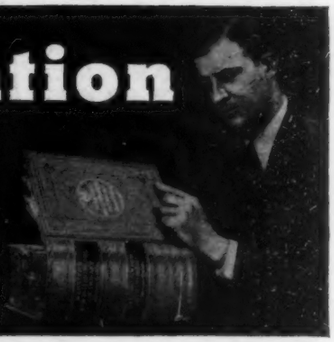
Summer squash—Wash and cut in thick slices. Cook 15-20 minutes in small amount of boiling salted water. If squash is to be fried, do not parboil.

Winter squash—Cut in pieces, remove stringy portion and seeds. Pare. Cook in boiling salted water until soft. *To bake:* Leave whole or break in small pieces. Bake in 355° F. oven about 1½ hours.

Turnips—Wash, pare, and slice, quarter, or dice. Cook uncovered in boiling, salted water until soft.

—Elsa Mangold, Dietitian American Home Kitchen.

THE Foundation Book



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Dollar Ideas

NOTE: We are desirous of publishing the useful dollar ideas submitted by readers just as quickly as space will permit. But, due to the great number on hand, we must request that no more ideas be submitted until the supply has been used up, when we shall publish a request for more. We cannot enter into correspondence regarding material submitted, nor can we return any rejected copy.

Vinegar and Plaster of Paris

Try mixing plaster of Paris with vinegar instead of water and it will not harden so quickly, when filling cracks and holes in the plastering. MABEL SMITH, Warsaw, Ind.

Driving Nails in Hard Wood

Bore a hole in the end of the handle of your hammer, to a depth of about two inches and fill it with soap. When driving nails, especially finishing nails, into hard woods (or through thin veneer), you will find that they drive more easily, and are less apt to bend, or to split the wood, if you first push them into the soap in this handy container, and get them coated. CLIFF JEROME JOHNSON, La Crosse, Wisc.

A Canning Hint

Whenever I use a can of fruit in the winter, I wash the jar, test it with a new jar rubber, and put one cupful of sugar in the clean jar. I always save paper bags to put the jars in and when canning time arrives I have jars all ready for use and as the price of sugar is always higher during canning season, I have saved not only on the price of sugar but I never have to add the expense of sugar to the expense of fruit for my canning. MRS. E. D. MATTHEWS, Syracuse, N. Y.

Before Using Yarn

Wrap it in white cloth, and lay it in a steamer over boiling water for an hour. When dry, it may be used without fear of shrinking more. MRS. FRANCES ION FRAZEUR, Indianapolis, Ind.

Reference Notes

When I find interesting articles in a magazine, I make a note of them inside the cover. Then when I am ready to discard the magazine, I may easily find the notes I wish to save. In this way you do not mutilate the magazine before other members of the family have read it. The notes will run something like this—Covering chairs, page 2; Cookie receipt, page 21 etc. MRS. M. E. HAYES, Rochester, N. Y.

A Patch in a Torn Garment

Use white of egg to seal on the patch to the garment and then press with a hot iron. The result will be a practically invisible patch. MRS. M. JAMES, Quebec, Canada.

Attractive Dresser Drawers

The unpainted inside of dresser drawers does not appeal to me, as the unfinished wood is not as easy to keep clean, takes longer to dry when washed, and is more apt to absorb musty odors. One can buy enamel paints now in such beautiful colors to harmonize with the furnishings of almost any room, and the enamel gives a smooth, hard finish, easy to apply, and easy to keep clean. The gay colored lining of the drawers looks so attractive when opened I am sure others will find pleasure in trying this idea. MISS EMILY DINSMORE, Akron, Ohio.

If You Forget to Remember

To remember dates of anniversaries, birthdays, or special events among your friends and relatives mark your kitchen calendar so that each time you note the date you are reminded of the special days when you want to send greetings. I always mark my calendar for the entire year when I first receive it and find pleasure in extending my greetings on time. MRS. FRED W. MAY, St. Louis, Mo.

Incompatible Door Knobs

In case two door knobs strike when one or both adjacent doors are open, slip half of a ten-cent rubber ball on each of the knobs. Colored balls which will harmonize with the color scheme are inconspicuous. The balls are more satisfactory than a pad of material for they are so easily cleaned and applied. CLEORA E. JOHNSON, Elgin, Ill.

Ugly Cracks in Your China Tea Service

New cups and saucers are marred by unsightly cracks. Avoid this by using a very simple precaution. Put cups and saucers in a pan of cold water and bring to the boiling point allowing them to get cold in the same water before using.

This method, of course, may be applied successfully to any article of a dinner service which requires heating for general use. MRS. WM. SELWOOD, Anyox, B. C., Canada.

WOULDN'T it be nice this spring if you could just wash away the smudges and soot that winter heating has left on your walls and ceilings? That's exactly what you *can* do when your rooms are WALL-TEXED. The lovely patterns are reproduced in time-resisting oil colors on sturdy canvas.

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PULVEX Combination WORM CAPSULES

Give a party!

[*Continued from page 84*]

Spanish Beanpot

2 large cans red kidney beans
2 tablespoonfuls bacon fat
1 large clove garlic, minced
1 pinch English thyme
1 pinch Rosemary
1 small bay leaf
2 whole cloves
1 teaspoonful salt
2 teaspoonfuls dry mustard
¼ teaspoonful cayenne pepper
2 tablespoonfuls strong cider vinegar
½ cupful juice from pickled peaches or pears or any canned fruit that is not too sweet
4 slices bacon
1 onion, sliced thin
¼ cupful strong black coffee
1 jigger of brandy

Put beans in beanpot (pottery preferred). Mix together all other ingredients except bacon, onion, coffee, and brandy. Pour over beans, stir, and bake 1 hour in a slow (275° F.) oven. Then cover top with the onion, and on top of that the bacon. Bake for 15 minutes in a hot (400° F.) oven. Then add the coffee and bake a few minutes more until the bacon is crisp. Add the brandy and leave in the hot oven until brandy is heated.

Chocolate Nut Wafers

½ cupful butter
1 cupful sugar
2 eggs, well beaten
2 squares chocolate, melted
1 cupful chopped walnuts
¼ teaspoonful salt
¼ teaspoonful vanilla
⅔ cupful flour

Cream butter and add sugar gradually. Add other ingredients in order given. Drop by teaspoonfuls on buttered cooky sheet, 1 inch apart, and bake in a moderate (350° F.) oven for 15 minutes.

Pruning for everyone

[*Continued from page 31*]

branches of the older trees make the cuts immediately above the bud.

When to prune? Prune orchard trees during their rest period which is late fall, winter, or early in April. Shade trees of nearly all kinds are best pruned during their rest period also; but some tree experts prefer August for the trimming of large Maples and the like while in full leaf. During the spring when the sap is flowing in the upper branches is a very poor time to make any new fresh cuts. Evergreens may be safely pruned or shaped (as is most often the case with the ornamentals) during nearly any month of the year. May, June, July, and the early fall months are also very good for this

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work. Practically all shrubs may be trimmed during the dormant months or in late fall.

There are, however, a few exceptions to this rule. Prune Forsythia and other spring blooming shrubs right after the flowers have disappeared, because during the summer months the flower buds for the next spring are made and if pruning is delayed until these have formed the bloom is cut away. Take out dead wood and broken branches of any tree or shrub at once, regardless of season.

Opinions differ as to Grape Vines. February or early March gives me the best results with this work, but I have known Grapes to be trimmed earlier, and even as late as the last week in April, and with satisfactory results, too! The dormant period of any plant is really the best time to prune. However, if you see an undesirable limb even in mid-summer I do not believe the removal of that limb will be as harmful to the life of the plant as letting it remain might be. However, severe pruning should be done at any time other than as already indicated.

There is no artificial medium which can be applied to make the wounds heal more quickly. The healing depends more upon the character of the cut, upon its position in the plant, and the time of the year that the cut was made. A protective covering will not aid the plant in the healing process. It will, however, protect the open wound from decay and rot. Manufacturers offer different makes of waxes, paints, and washes for the painting of wounds after pruning. It is fair to say that any substance that is not corrosive or detrimental to the growth of the tree and which will protect the heart wood from the attacks of rot spores will prove a satisfactory covering for any and all cut surfaces which result from the needed and necessary trimming. Among the coverings most used today are coal tar, which is used as much as any other such material; white lead, yellow ochre, and in some cases grafting wax have been applied with equally good results. Painting with a neutral tone paint improves the appearance of the treated tree.

When making cuts, leave a hard, smooth, clean-cut surface; cuts as close to the main stem (in large tree work) as possible; make the cuts (in smaller work) close to a bud or joint; root prune only the dead roots and the damaged ends; trim back the tops of all new trees even more severely than the cutting that was necessary on the root system; protect the cuts from rot spores by applying a suitable dressing to large surfaces.

One last but not least suggestion: before you start to trim know what you are going to do. Know the characteristics of the variety you wish to trim, study the

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shape of the tree first and then improve upon this as you prune. Never prune a plant at the time of year when it will "bleed;" never prune back roots farther than is absolutely necessary; never root prune a plant and not cut back the upper branches to even a more severe degree; never damage the bark or loosen it from the trunk or main stem when you are cutting off a branch or large limb; never leave stubs projecting from the main stem. And always use a good tool kept sharp and clean.

Hemerocallis

[*Continued from page 28*]

stout arching stems bearing large loosely arranged flowers seven inches across, of a striking shade of dark terra-cotta, overlaid bronze, with deep orange base. At a distance, the effect is that of old rose.

One of the last Hemerocallis to bloom is Star of Gold, which produces beautiful waxy flowers of palest yellow, large and star-like in form. It is the finest of the more delicately toned—almost white—varieties. Stalks are four feet and more in height. Another late variety is J. R. Mann, a glistening, large open flower of frosted apricot and yellow, growing three and one half feet tall. Perhaps the most persistent bloomer is Bay State, a large deep yellow with attractive fluted petals, growing around three feet in height. Hyperion, which was awarded a metal by the Royal Horticultural Society in England, deserves a place in every garden. It surpasses most other Hemerocallis in size, form, color, and substance, and is rarely equalled in texture. The waxy, firm flowers of purest canary yellow are five to six inches across and are borne on stout four-foot stems.

Plants may be shipped safely for long distances. While a few nurseries carry a limited number of the older varieties, the new improved hybrids are offered by a dozen or so specialists, in addition to the hybridizers themselves.

The varieties listed on the preceding pages are as follows: Page 27, left; at the extreme top, D. D. Wyman, light golden yellow with tawny splash, flowering July and August; to the left, Lemona, a large, pale lemon yellow on very tall stems; to the right, J. A. Crawford, two blooms, a rounded flower, apricot cadmium yellow, July and August. The other illustration is the variety Bay State, brilliant deep yellow on 4 ft. stems; a free bloomer in July. On page 28, the variety listed at the bottom is Mikado, rich orange, blotched with ruddy purple, 3 ft. Golden West—clear medium yellow, tall, late bloomer, many flowers, long period of bloom.

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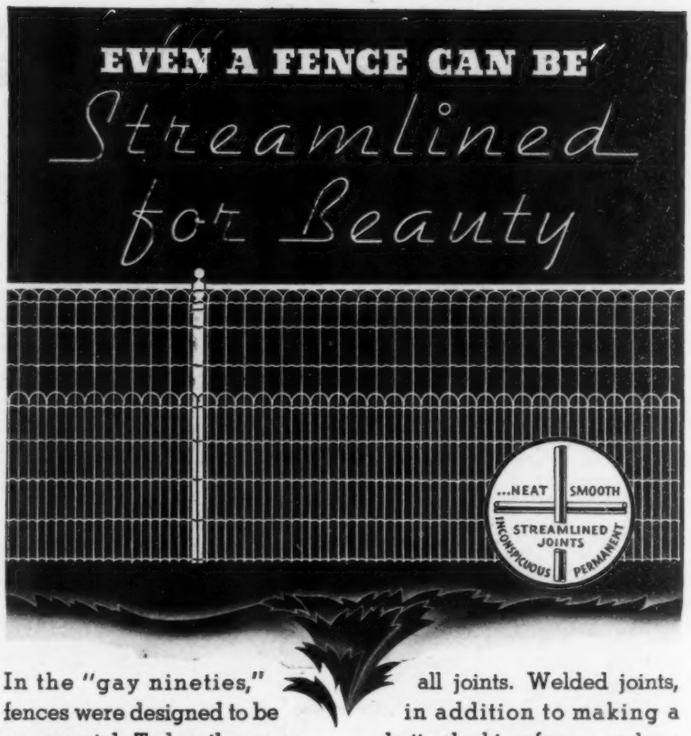

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Garden Facts and Fancies

A magnificent allee of Irish Yew characterizes the gardens of Miss Thomasella Graham, Sierra Madre, California, first prize winner in the estate division of the 1935 National Yard and Garden Contest

Leonard Barron

PERHAPS it will be both instructive and encouraging to look at some prize winning gardens. For the seventh successive year the National Yard and Garden Contest announces its winners. That the interest is not only sustained but greatly increased speaks well for the popular appreciation of good gardens as being integral parts of the well-kept American home.

Judging this nation-wide contest has perforce to be done ultimately on photographs; but it is based on a multitude of local elimination contests. The stimulus engendered in this work goes far to make our suburban dwelling regions more beautiful, more liveable. Good gardens are expressions of a cultivated esthetic sense and appreciation of pleasant living.

Is there any significance in the fact that all the three winners in each of the three classes belong to the Middle West, the Far West and the South? Or, is it a mere coincidence? There are numerous local garden contests in the eastern and northern sections of the country representing a total of many thousands of entries. They are sufficient unto themselves and do not participate in the National Yard and Garden Contest Association, which has its headquarters in Iowa, as a division of The American Green Cross.

In the suburban area of New York City one of the most comprehensive and thoroughly well organized garden contests conducted by the *Herald Tribune* newspaper produces several thousand entries and judging is done by a large corps of competent horticulturists, split up in various territorial teams, who actually visit and survey the individual gardens. It has been my pleasure to participate in this large judging work from the very first and I am satisfied that the total result has been a tremendous uplift of popular appreciation of good taste in garden design and good quality in the use of garden material. The spirit of emulation that is engendered, the desire to achieve and the willingness to learn manifested by the thousands of participants in this very seriously undertaken, well-organized contest is in itself a revelation in the continuing spirit of garden appreciation among the average suburban home dweller.

GARDENS too often are too static. They are made and left alone and there is something of reverence, almost worship or veneration of plants because they lived and grew. The fact that they over-grew and outlived their space and usefulness was too often completely ignored in the sentimental and almost idolatrous veneration of a living plant. The garden needs not only to be furnished, but refurnished. It must be kept up to date by evident management and careful control. Old varieties and old types pass as the passing years. New things come and novelties are offered each year—not always are they advances in every place where they are tried but the total result over a term of years is a very evident measure of positive progress.

Who would go back to the Roses of yesteryear alone? Who wants only the old Chrysanthemums? Who would be satisfied with the old Irises; to say nothing of such transient glories as of the Dahlia. The keynote of good gardening is progress. Not all that is old, however, is necessarily less useful than that which is new, but the good gardener tries always with an open mind and holds on to that which is good. Wonderful progress has been made in the everyday annuals, such as Zinnias, Marigolds, Petunias, and Sweet Peas.

This is a good opportunity to suggest to you as an individual a serious interest in the new plants that are offered in the catalogs of the current season. The mere sportiveness of novelty is in itself a great allure. Don't be content merely to follow on in your neighborhood.

STRANGE as it may seem, research men in the experiment stations are telling us now that there is plausible possibility of actually forecasting the probabilities of the epidemic appearance of diseases among plants and garden crops. Late blight of potatoes, for example, seems to come and go in cycles of from three to five years. The most important thing to watch is the rainfall. With heavy summer rains, plant blights are likely.

It looks gloomy for potatoes in New York, for onion mildew in California and Michigan and for celery in most places because the seed comes from two states where conditions were none too favorable in the past season.

Botrytis blight of Tulips and of Lilies may possibly be forecast; but, says Dr. Newell of the New York State Experiment Station, "with a little more information, several diseases of ornamentals can be predicted."

Two really personal gardens, winners in the 1935 National Yard and Garden Contest, Mr. and Mrs. Kermode Gill of Cleveland Heights, Ohio, have some manual help but are themselves constant and keen working gardeners (left). Mr. John Kakakes, Spokane, Wash., won in the class where all the work is done by the family (right)

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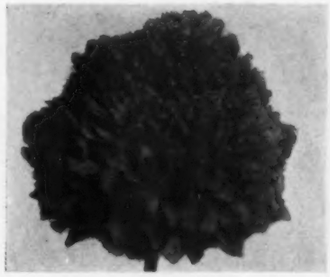

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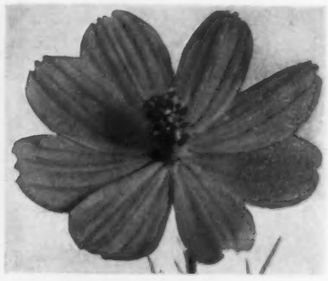

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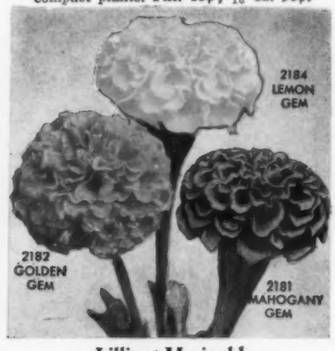

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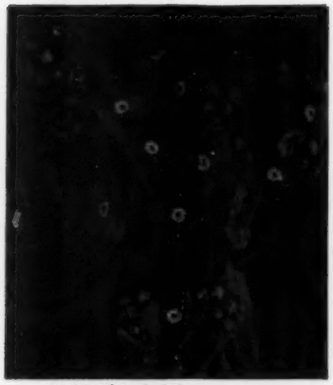

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"hasn't scratched yet!"

A divided transplanting box

P. B. VIKRE

TO THOSE who have caught and become inoculated by the "gardening bug" the lengthening of the days of February and March is a stimulus to turn to seed catalogues and the coming spring activities. If one has once become infected with the said "gardening bug," the urge to try some new kind of flower seed, and to be watching for the little seedlings to stick their heads above the soil, is nearly impossible to overcome. So as the days gradually lengthen and knowing that spring is just around the corner, you get out your seed pans, your seed flats or cigar boxes. You mix so much loam, so much sand, so much peat or leaf mold; you sterilize, you potter around until you think the mixture is right. The boxes or pans are then filled and the seed planted and watered. And from then on, every day, you will be hoping and watching for some sign that the seeds have germinated, that the embryo seedling is ready to face the world by sticking its head above the soil.

The seedlings come up quickly, they grow rapidly. But you know that unless they are thinned out and each seedling is given room to develop and expand it will become thin and spindling. And that even if later they are transplanted into the garden they seldom become strong robust plants. Therefore when the seedlings get their third or fourth leaf, they must be transplanted and given room to grow, if strong growing and robust plants are wanted. A good start is important for good results.

There are three methods usually used for transplanting: into another flat (box), into small flower pots, or into paper bands set in a box. Transplanting into an ordinary flat or box is a fairly satisfactory method for most seedlings. One of the objections to the flat is that when the seedlings are ready for the transplanting into the garden it is difficult to transplant them without disturbing their root system. They sometimes resent having their roots molested every time they get a good start in life, and when their roots must again be disturbed by transplanting into the garden they often go into a sulk from which it takes a long time to get over, with the result that they never become strong and robust plants.

Paper bands, being square, are economical as to space. But unless the paper bands are made waterproof the decaying of the paper may have a stunting effect on the seedlings.

I have experimented with two-inch flower pots using various methods for watering; I have set them in boxes containing a galvanized tray into which the water was poured. If in front of a sunny window, on a warm day, and unless an excessive amount of water was put in the tray in the morning, they would be dried out by evening. The most satisfactory method when using small flower pots was to have boxes with galvanized trays placing the pot in this tray, then filling sand or sphagnum moss around the pots and keeping the sand or sphagnum moss always moist.

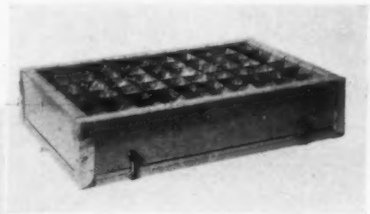

Figure 1

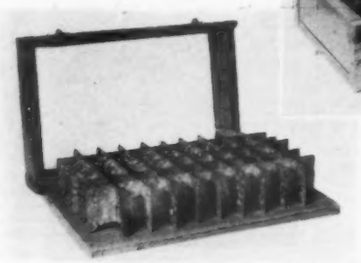

Figure 2

The divided transplanting box to be described will take care of

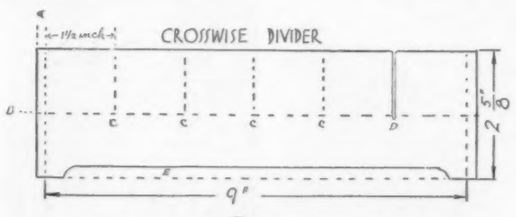

Figure 3

A—3/16" slides into saw cuts of box
B—Center guide line
C—Slots guide line
D—Cut slot. Lengthwise strips cut from bottom up to center guide line
E—This part cut away for drainage

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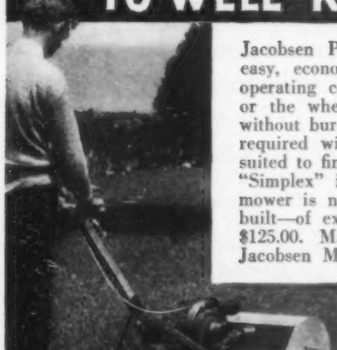

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twice as many seedlings as if the same sized box was used to hold two-inch pots. Also each of the plant compartments would hold approximately twice as much soil as a two-inch pot. A more even water content could also be maintained in the soil than in small pots.

Figure 1 shows a transplanting flat or box divided into sixty compartments. This box was 11½ inches wide by 16½ inches long. Inside dimensions, 9 inches wide, 15 inches long, and 3 inches in depth. Each compartment is 1½ inches square. The sides of the box were made of ¾-inch lumber. Before nailing the sides together cuts were made for the dividing partitions. The end pieces, being 9 inches long, were marked crosswise every inch and a half and the cuts made with a coarse set saw to a depth of about ¼ inch. In the side pieces the first cut is made 2¼ inches from the end (allowance made for the thickness of the end pieces) and the other cuts made 1½ inches apart, which would leave the last cut 2¼ inches from the other end.

A removable bottom, fastened to the sides with two hooks on each side, makes it more easy to remove the plants from the flat. Four right-angle pieces of galvanized iron, one nailed to each corner of the box and extending down over the corners of the bottom board keep this from sliding around.

The dividers, shown in Figure 3, were made of galvanized iron 2⅝ inches wide and ⅜ inch longer than the width and inside length of the box, to slip into the saw cuts made. The illustration shows that part of the lower side of the dividers has been cut away. This was done so that excessive water could drain away from each compartment and find its way out through the drain hole in the bottom board.

Figure 2 shows the unit of dividers resting on the bottom board with the top (sides) lifted off.

After all the required galvanized iron strips have been cut to correct size, one cross piece (one of the 9-inch strips) is marked as shown in Figure 3 and cuts or slots are made from the top down to the center line. This cut or slot could be made with tin shears, or all the cross pieces could be clamped together put in a vise and the cut made by sawing through all the strips with a hack saw. If done with a hack saw the edges of the cut will probably be a little rough, but could be made smooth with a file, by resting the strip close to the edge of a table, pressing down on the back edge then raising the cut section slightly so that the edge could be trimmed with the file. If the strips are given a coat of asphalt paint, and repainted now and then, they will last for a number of years.

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My 1936 "Do's and Don'ts"

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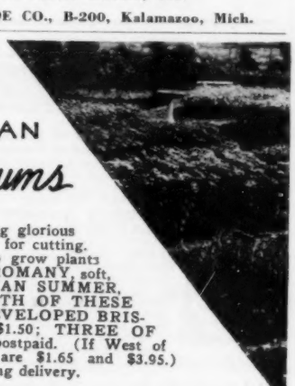

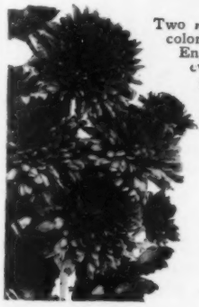

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The same method is used in making the pieces running lengthwise of the box, except that the slots or cuts are sawed up, from the bottom, to the center line.

On the number of dividers used, crosswise and lengthwise, depends the size of the compartments. Compartments one and a half inch square is about as small as is practical to use. The size of compartments needed would depend on the size to which one would want to grow the seedlings before transplanting to the garden. Also to a certain extent on the growth habit of the plant, as some plants grow slowly while others fast.

These dividers could be used in ordinary seed flats by making each divider slightly shorter than the width and the length of the box. After the first row of seedlings had been removed from the box the rest could be removed without much disturbance to the ball of soil surrounding the roots of the seedling. But a removable bottom box would be more convenient.

With the removable bottom box, when the seedlings are ready to be transplanted into the garden, the dividing strips are first taken out; a thin knife is then run along the inside of the four sides; then, lifting the sides from the bottom board, each seedling with its square chunk of soil can easily be transplanted into the garden without any disturbance to its root system.

There are a number of plants whose seed must be sown where they are to grow as they resent transplanting. It might be possible, by using a box as described, that such plants could be started indoors early in the spring in order to give them an earlier start. This I do not know as I have not tried it.

In bringing up the seedlings to the point where they are ready (and the weather is ready) to be transplanted into the garden, those of us who are growing our seedlings indoors in our home have to preempt space in front of the "better half's" sunny kitchen or dining room window. In such a case give your transplanting boxes a couple of coats of paint. They will not then be quite such an eyesore.

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Quick fillers in the rock garden

ANDERSON McCULLY

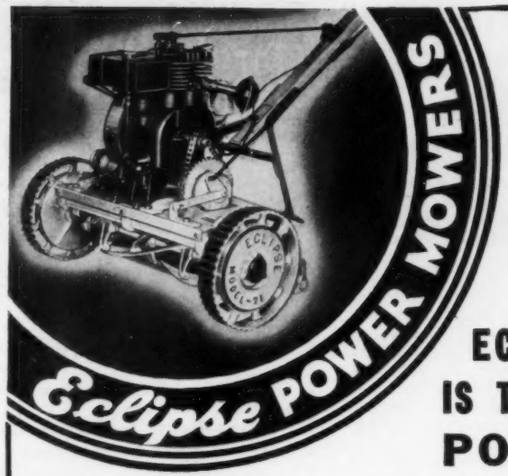
(Illustrations on page 29)

Rock gardens have easily grasped the effects of glacial debris. The troublesome point has been to soften this with brilliant joyous bloom. Alpine plants are small, and in the main, first bend their energies to firm and complicated anchorage beneath the stones.

It isn't enough that a plant is low and bright and annual. Many fat edging plants are all of these, but wholly out of keeping with the rock garden. Mountains have given us few annuals. Their summer season is in the main too short for a full life cycle; though warmer California's lower slopes are gay with a number, more prized abroad than at home. A few of the smaller ground-hugging annuals of the African veldt are adaptable, as well as many of the alpine perennials that spread rapidly, or tend to bloom well in the longer lowland season the first year from seed.

In the main, annual seed is broadcast where it is to bloom, and rarely requires any especial treatment. Here, as elsewhere, the type of garden will somewhat modify the choice. Needless to say, the more rampant (or sometimes border edging) plants would be out of place in a garden filled with the dainty higher types of true alpines. For such a garden we have annuals like the bright turquoise Gentiana nivalis and the violet-blue Campanula drabifolia (C. attica of seedsmen), the Greek Bellflower. The former is a jewel of the heights, coy and hesitant in gardens, seemingly desiring the close turf of other alpine neighbors. The Bellflower is a brilliant, large flowered species three or four inches high.

Most of the Africans and many of the Californians are particularly useful in dry and sunbaked stretches so frequent in American summers. Ursinia gives us a more compact variety in U. pulchra with delicately cut foliage and a mass of small orange rayed flowers. Seemingly no summer sun is too hot for its happiness. The Star of the Veldt (Dimorphotheca) also finds a similar place in gardens, and is one of the most quickly blooming annuals, sometimes six weeks from sowing. The type is an extremely strong orange, but the Aurantiaca Hybrids come in apricot, buff, salmon, primrose, and white. Felicia bergeriana is another rayed flower from the Cape of Good Hope, about four inches high, with turf-like foliage and clear blue flowers three fourths of an inch across. Where a taller blue is desirable, the bright nine-inch



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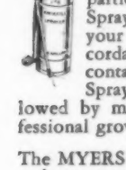

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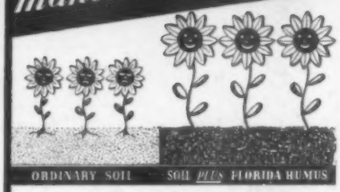

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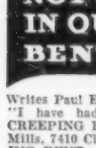

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We are offered a newer annual Mesembryanthemum in M. criniflorum, that seems evolved especially for our rock gardens—hardy, easily grown, slightly spreading, and about three inches high. From pink to crimson, from gold to primrose, apricot, buff, and pure white edged with all these tints, the blooms form a sheeting carpet in poor soils. Rock work, flagged paving, or stone walls are all to its taste. The well-known Portulaca is another succulent for such a position, though a Brazilian; and we have one annual Sedum in S. caeruleum.

The Gilias (also sometimes listed as Leptosiphon or Linanthus) and Phacelias give Western America much of her annual beauty. G. roseus and G. aureus are six-inch annuals of rose and orange-yellow that love the sun; while the yellow throated G. dianthoides is even lower. It is more usually lilac, but purple is frequent, and occasionally an exquisite shell pink occurs. The Harebell Phacelia (see illustration on page 20) is so old in gardens I hesitate to mention it, even though this rich blue Californian of the low mountain slopes might well tide us over the time we wait for some of the summer Gentians. The brilliantly purple P. sericea, that carries its flowers in an unrolling cyme, is a true perennial, but blooms so quickly from seed the first season, it may well be included here both for the finely-cut silvery rosettes and the glowing color of the feathery blooms. It makes a really more handsome rock plant if starved in moraine. Limnanthes douglasi foils these Phacelias well, being a low growing, mat forming type with open yellow saucers widely centered with white.

Other often useful annuals in the rock garden are Sanvitalia procumbens; Iberis Little Prince, white; and Queen of Italy, pink; Nemophila, Virginia Stock, Sweet Alyssum (Lilac Queen, Primrose Queen, and Little Gem); Abronia, Gypsophila muralis, Ionopsidium acaule, Anagallis, Gramanthes dichotoma, and Saponaria Scarlet Queen; while Dowingia elegans and D. pulchella bring their blue blooms to a moist pool edge. The deep red Mimulus breweri and the rose-pink M. fremonti hug the water edge. The perennial M. primuloides blooms almost as soon from seed, marching right into the pool or stream.

The Dianthus or Pink family offers many quick fillers in the rock garden, for besides the annuals, a number of the perennials bloom the first year from seed, and the family as a group spreads rather rapidly among the stones. D. roysi, an English hybrid of D. neglectus, is exceptionally pleas-

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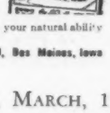

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ing, with trim silvery mat-forming foliage and soft pink blooms that escape the harshness of many Pinks. My May-sown seed began to bloom before the end of summer, and continued on lightly through the fall and heavy December freezes, a few even poking through the snow. Normally, the heaviest bloom comes in June.

The low-tufted Oenotheras (illustration on page 29) are good space fillers in the rock garden, loving warm sand and sun. Oe. californica is annual or biennial, three or four inches high, and bears large fragrant blooms that open white with a yellow base, then pass through deepening tones to crimson. Oe. caespitosa is a perennial that quickly forms a wide mat on a sunny slope, opening white and deepening to rose. Humus and granite grit encourage it to grow well.

The Sedums are often more valuable for their foliage effects through the year than for their bloom. The majority of the hardy types rapidly clothe the rocks, developing in a single season from a little rooted sprig, or even mere cutting, to a mass a foot or so across. S. altissimum is among the attractively foliaged plants of fair size; while the tiny S. anglicum is a pretty little white-flowered creeper of pinkish cast that goes well in paving stones and other small chinks. It softens and fills in between small and poorly shaped stones that are often used in walls.

The Thymes grow quickly, bringing a touch of fragrance, and the shrubby types make good little bushes among the stones. Dwarf Veronicas are also rapid, V. rupestris, the Rock Speedwell, atoning in color mass for any individual lack. Royal Blue is a bright true blue variety. The Aethionemas tend to bloom lightly the first season from seed, and in later years clothe hot rocks with a wealth of exquisite pink that contrasts well with the blue tones of their foliage. Arabis and Aubretia are rapid spreaders with a number of improved new forms upon the market. The various shades of Aubretia blend unusually well, and a far slope or wall in various tones is charming. The Alpine Wallflower (Cheiranthus allioni) is the most persistent bloomer my rock gardens have ever had. It bloomed the first season from seed, and one plant I have has not been without at least one flower through every month in the last three years.

When annuals are used as fillers for a single season, it is important to see that blooms are cut before they seed to avoid the progeny in years to follow. Rampant perennials that are not moved on to rougher homes need watching below ground as well as above. A deeply sunken rock may be used to curb their root growth toward the smaller plants.

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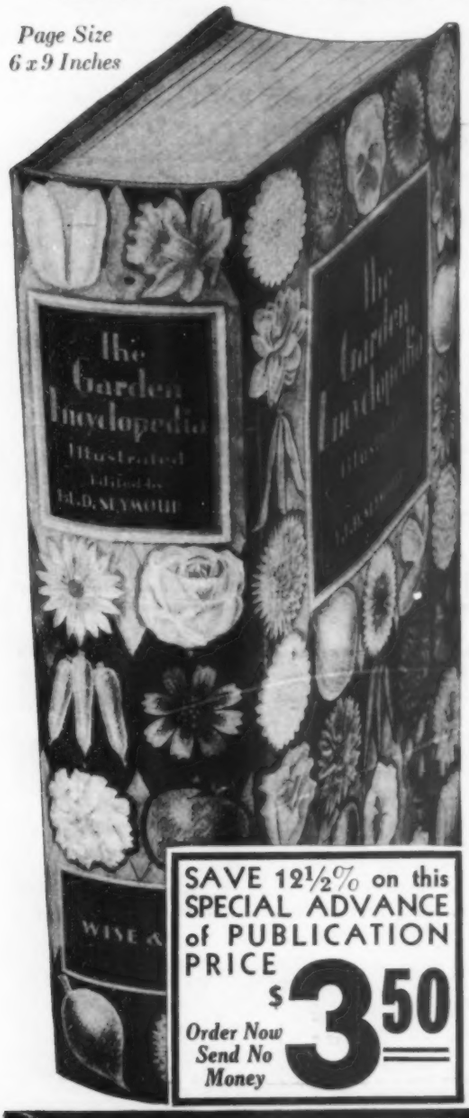

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in and about NEW YORK

Permanent exhibit of building materials and equipment

EXPERTS have stated that there is need in the United States for 750,000 new houses a year for the next ten years. That is a lot of houses and indicates that a lot of people are thinking of building or remodeling and wondering how they can inform themselves of all the important new building materials, new engineering developments to heat air condition and insulate, new conveniences that are labor saving; and so on. There is no retail store handling all these different things where the confused layman can go to look things over and make a selection, as he can neckties or bedspreads or automobile accessories. But for those who live in or about New York, and who are interested in building and remodeling, there is a sort of "clearing house," a permanent exhibit where many of the important building elements can be seen, handled, and discussed. The Architects' Samples Corporation, with showrooms covering some 16,800 square feet, all filled with exhibits, is a permanent organization, free to the public, architect, and layman alike. You cannot place an order here, for there are no salesmen present, and no prices are quoted. But detailed technical information is available for any and all who wish it. The exhibits show what is on the market, of what it is constructed, what it looks and feels like.

There are a number of exhibits having to do with the equipment that goes into a bathroom, and the interest evidenced in these, it is said, goes to prove that in addition to new bathrooms in new houses, many people are adding extra bathrooms to their present homes or replacing out-of-date equipment. A combination lavatory, tub, and shower is one item that is arousing considerable interest. A new thing many are investigating is a metal shower stall, completely waterproof, and less expensive than those previously available of other materials. These metal ones come in different sizes and finishes, some with a shower curtain, some with a door, at varying prices. There are extensive exhibits of bathroom accessories such as medicine cabinets, towel racks, built-in soap dishes, tumbler and toothbrush holders and the like. Charts are available showing arrangements and heights worked out in elaborate detail by architects and considered correct for the average household. One of the most interesting aspects of these exhibits has to do with illumination. There are many new and efficient ways of lighting bathroom mirrors, some with concealed installations, some with the new elongated bulbs built behind metal shields, some with lights movable along a groove and adjustable according to individual need.

For the kitchen there are numerous kinds of cabinets in wood and in metal, and one arrangement that accommodates an entire kitchen in a 44" space. A rather recently developed kitchen range that makes use of coal and is extremely economical to run, is a striking feature, and there are various kinds of metal and porcelain sinks as well.

Different sorts of synthetic tiles, many kinds of wallboard, and an exhibit showing how to treat the joints when wallboard is used, constitute another group of displays. Patterns simulate wood paneling, bricks, stone, and so on.

Doing over the cellar and thus making use of previously waste space is important in the public mind, it is reported here. The matter of flooring is a particularly difficult problem, for the cellar is apt to be damp. Among other products designed for this purpose is a water-resisting asphalt

[*Please turn to page 115*]

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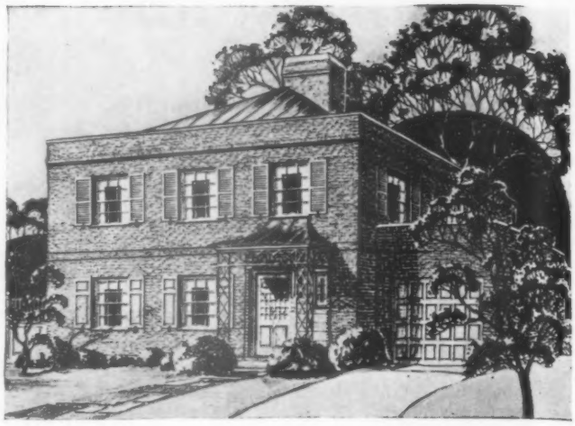
Westchester model home



This is the model house which will be open to the public for three months, beginning the latter part of February. Its cost is estimated at $15,000. It is located in Scarsdale

THE Better Homes Exposition in Westchester County will be held this year at the County Center from May 12th to 20th. The Model Home built in connection with the show and illustrated on this page, is located at Fair Meadows in Scarsdale, overlooking the Bronx River Parkway.

Charles A. Dewey, architect, selected the Georgian Colonial style for the house, somewhat modified to conform to modern trends in simplification of form, line, and general detail.

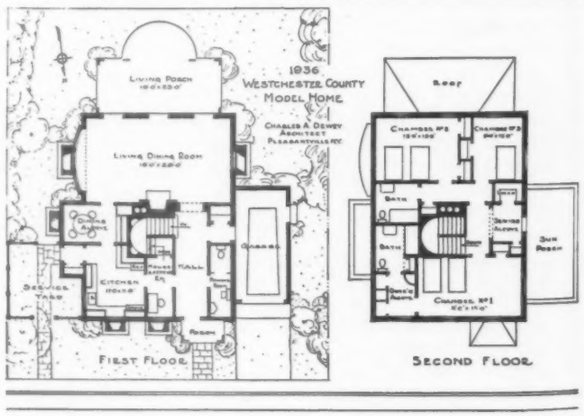
Specifications call for an exterior of red face brick, a four-inch layer of rock wool insulation, sisalkraft copper sheathing, lock seamed copper main roof, and copper deck roofs over both the kitchen entry and garage.

In the complete sense of the word, the house is gas equipped. Heating is by gas, this and the air conditioning plant having been especially designed by the engineers of the Westchester Lighting Corporation. A gas stove, automatic gas refrigerator, and Monel metal hot water heater complete the mechanical equipment.

There is a complete excavation beneath the house, part of which will be finished as a playroom the same size as the living room above it, paneled in pecky cypress. A good deal of taste and judgment has gone into the planning of the layout. "Extras" to be appreciated are a sizable powder room off the entrance hall, a "housekeeper's room" or office, for the planning of meals and conducting general household business, and a small dining alcove, to be trimmed in maple, for informal meals.

The living-dining room is quite large, with quantities of windows and an open fireplace. A bay win-

[Please turn to page 110]



The street side of the house is reserved for the entrance and the kitchen, leaving the garden side free for living space, an arrangement that has much indeed to commend it

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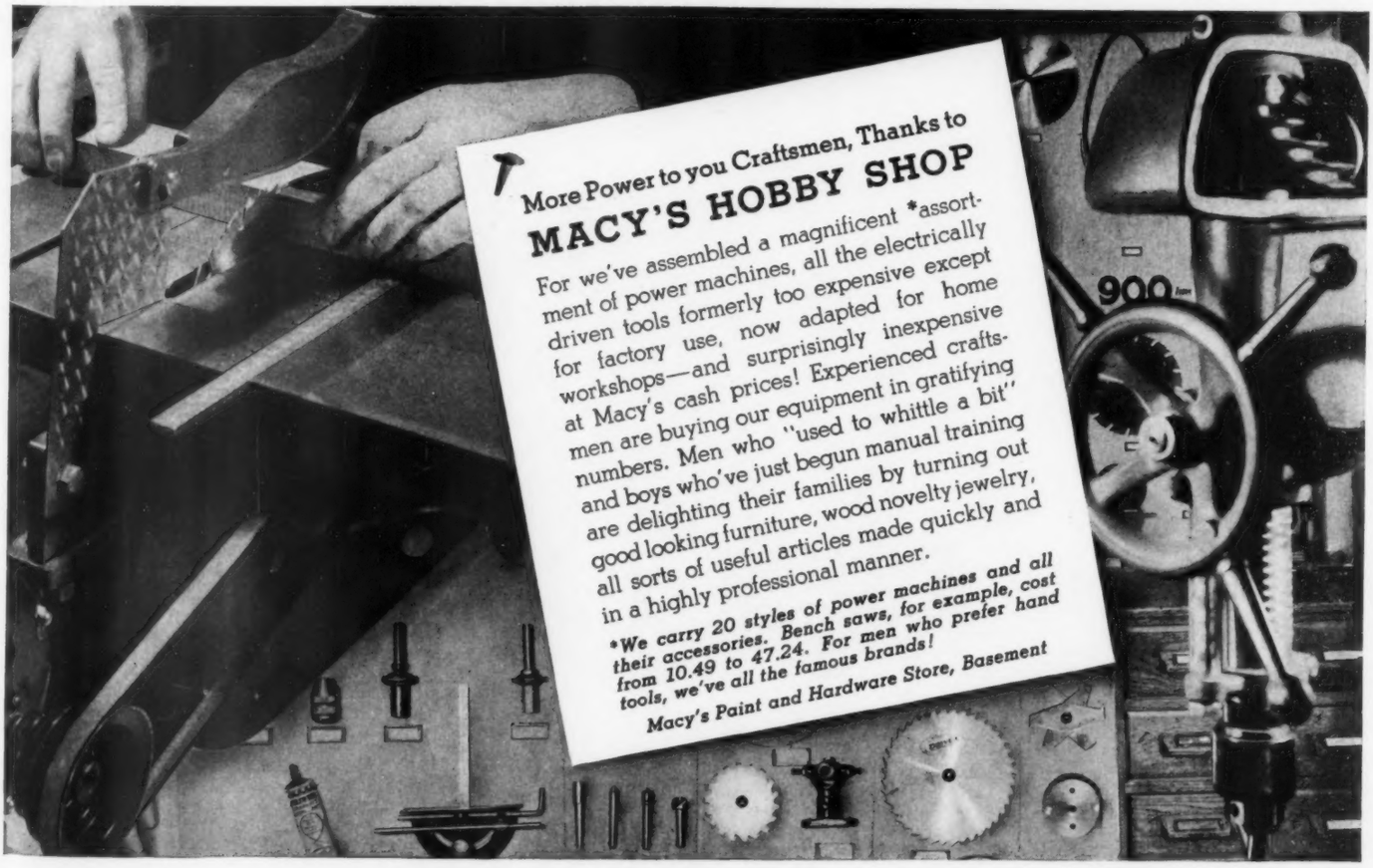
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Company Point

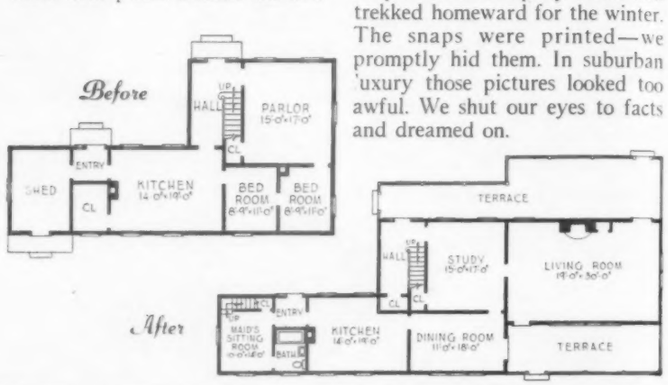
LOIS L. GATES

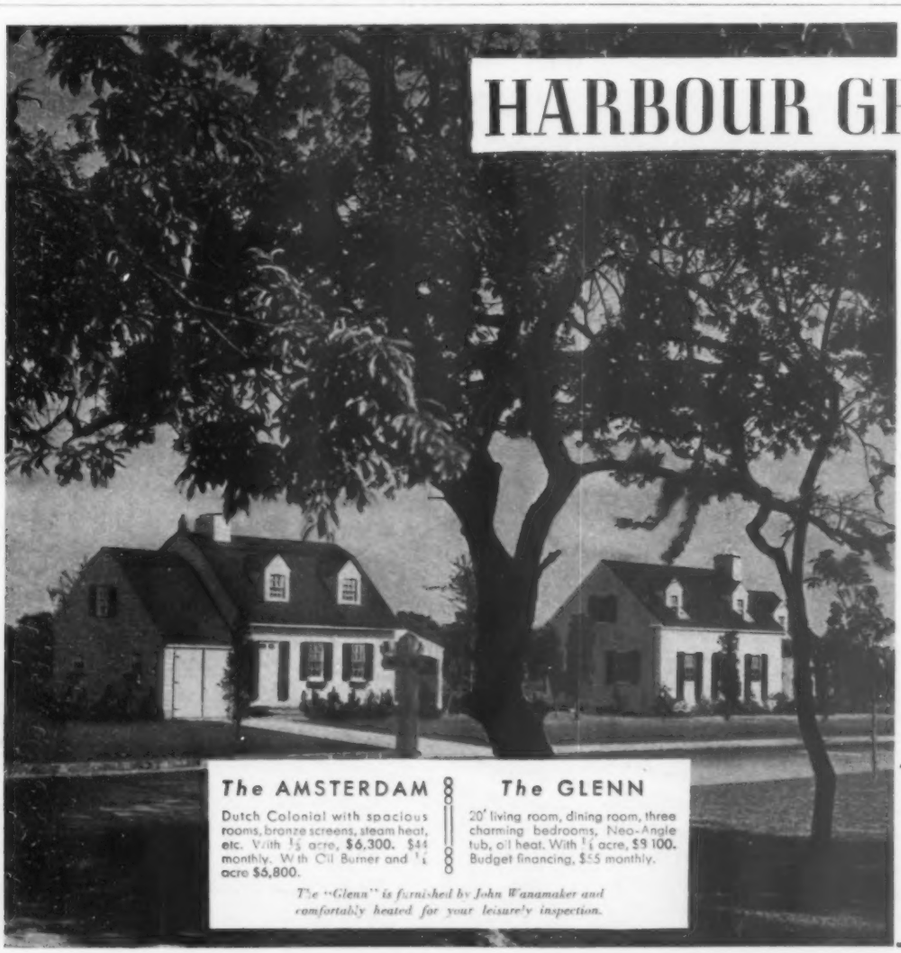
IF YOU'VE never remodeled an old farmhouse you've missed half the fun this old world has to offer. It had been our secret ambition for years. The day before our vacation ended last year the urge was strong upon us. We happened on Company Point as the sun set behind the Camden hills. Two towering spruce trees stood sentinel on the smooth granite shores. Gray farm buildings nestled beneath tall drooping locusts. A grass-grown road wandered through cleared land and disappeared over a hilltop of birch and pine.

No, the place at that moment was not for sale, but before we left that night, one main house (good condition), a smaller house (very staunch), a garage (converted from a smokehouse), a boathouse (picturesque, and that's all), and one hundred and thirty acres of birch, pine, hilltops, cleared meadows, a granite quarry, and rugged shore line were ours! Not one building to remodel, but four! We scarcely slept that night.

We drew reams of plans before we finally came down to earth. The bigger house must be done first. In it we must have a large living room, five bedrooms, baths, etc. At first, we planned to convert the old kitchen wing, because of its size, into a living room. After talking to our builder, we learned it would be less expensive to build a new wing. More pencils, erasers, and graph paper! Every bridge score, every memo pad bore floor plans, elevations, interior sketches. That builder must have been part architect, part mind reader, and mostly saint. Together we achieved these floor plans. Besides the new wing there were to be few changes. The partition and chimney between the first floor bedrooms were to be removed, a French door put in, a group of three windows were to replace the present one. The closet off the kitchen would make a bath with the door changed to the shed side. The shed would be finished as a maid's sitting room and a stair built to the second floor maid's room. By taking three feet off the large bedroom upstairs we achieved a hall to the new wing. The bedroom at the top of the stairs was divided to make a hall to the unfinished section—and a bath. Dormer windows made the room over the kitchen ideal for a bunk room.

These crude drawings and plans in the builder's hands, we took snapshots of Company Point and trekked homeward for the winter. The snaps were printed—we promptly hid them. In suburban luxury those pictures looked too awful. We shut our eyes to facts and dreamed on.





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But only in part. For just as Harmon planned Harbour Green with superlative care, so do we build each of these homes as best we know how. The two pictured here are open for your inspection, but we hope you will want also to investigate our workmanship. Ten new homes are now in various stages of construction; by viewing them now you will know everything about them *before you buy.*

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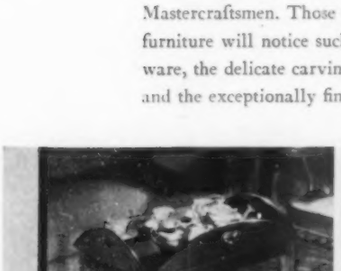
On Sloane's Street Floor are assembled many different types of coffee tables . . . both modern and period pieces. Illustrated are five of the most popular, made by Sloane's Mastercraftsmen. Those who appreciate beautifully made furniture will notice such details as the hand-fitted hardware, the delicate carving and perfect proportion of line, and the exceptionally fine finishes. *Street floor.*



Butler's tray of mahogany, $37.50. Modern; blonde maple, burl top, $18.

Mahogany; pedestal base, $12.50. Glass-top Madrone burl stand, $35.

W&J SLOANE

FIFTH AVENUE AT 47TH · NEW YORK

A second grade pine full of knots was used to panel the living room. The wallpaper, draperies, antique furniture, which we had been collecting, fairly leaped to their places

Plasterboard was used where the old plaster gave way; a second-grade pine, planed on one side and full of knots, was used to panel the living room. Weekly letters told of progress; replies carried new ideas, new hopes. There was one tragic moment when the builder wired, "There will have to be a slope in upper hall where new wing hitches on." Ye Gods! who wants a slope in one's upper hall? We longed for an architect! Minus one, we grabbed pencils and figured. "Drop new wing so second floor level meets old. Allow step down into living room. Wire answer." "Good idea. Foundation not yet complete." We breathed again.

Bolts of material assumed the proportions of curtains; wallpaper, cushions, pots, pans, dishes, glassware, linens, blankets overflowed every nook and cranny. We now knew why we'd collected antique furniture for years. But—we didn't dare look at the snapshots.

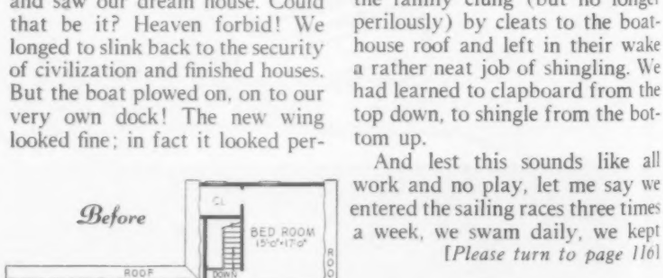
Came spring—came the day when again we rounded the point and saw our dream house. Could that be it? Heaven forbid! We longed to slink back to the security of civilization and finished houses. But the boat plowed on, on to our very own dock! The new wing looked fine; in fact it looked perfect. Our spirits rose. We'd get busy on the old part.

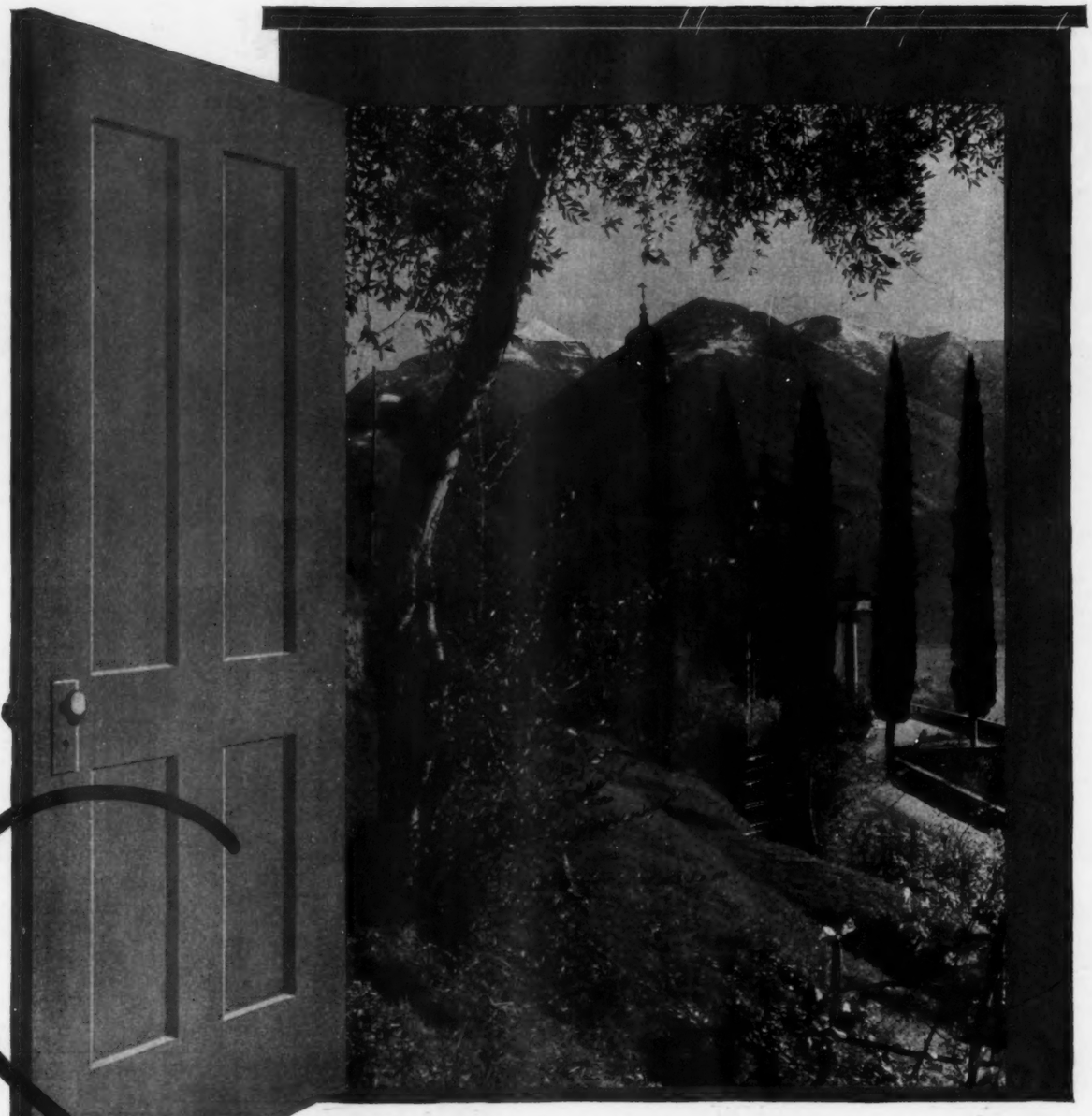
We scarcely unpacked. Our builder's ideas were too expensive. We found a carpenter who spoke our language and he started work. We found a man, artist by desire, paperhanger by necessity. We bought gallons of paint. And then the fun began! The whole family, from Grandmother to youngest, were armed with paint brushes. One contingent followed fast on the heels of the carpenter, the other worked just ahead of the paperhanger. As a room was finished, curtains fairly leapt at windows and furniture settled comfortably in place. Shutters were no sooner screwed together than they assumed a soft verde green shade.

At the end of two weeks we took some snapshots and we sent the prints back home! At the end of one month we entertained our first house guests. By the middle of the summer the small house was assuming the proportions of a guest house. By the end of the summer, the family clung (but no longer perilously) by cleats to the boathouse roof and left in their wake a rather neat job of shingling. We had learned to clapboard from the top down, to shingle from the bottom up.

And lest this sounds like all work and no play, let me say we entered the sailing races three times a week, we swam daily, we kept

[*Please turn to page 116*]





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Do you use your table appliances?

MANY housekeepers do not fully appreciate the uses as well as the convenience to be had with the table appliances they may own. Too often they are relegated to the storage closet only to grow old in disuse when actually they are filled with many possibilities for everyday meals.

Take for instance the chafing dish. Has it occurred to you that it might be used to cook the breakfast cereal right at the table, or to prepare the hot chocolate or soup for the children's lunch?

With the sandwich grill, one cannot only make luscious toasted sandwiches, but also bake pancakes on the grill at the table.

Even the so-called coffee maker has a duplicity of uses. We make tea in it exactly the same way that we make coffee and it is excellent.

One of my favorite uses for a waffle iron is to bake the shortcake for Strawberry Shortcake. It is certainly much more convenient and comfortable in the hot summer weather to bake a cake like this instead of heating the oven. Or make chocolate brownies and serve them with whipped cream if you wish to give the family a real treat.

In preparing all of your menus, of course, you will find the electric food mixer very helpful.

Following are combination meals and recipes which may be prepared with these electrical helpers.—LOUISE LESLIE

Breakfast

ORANGE JUICE
(extracted with the mixer)
OATMEAL
(cooked in the chafing dish)
BACON AND EGGS
(fried on the cooker)
TOAST
(on the toaster)
COFFEE
(in the coffee maker)

Luncheon

CHICKEN HAWAIIAN
(in the chafing dish)
VEGETABLE SALAD
(Vegetable shredded and sliced with mixer attachments. Mayonnaise and French Dressing made with oil dropper and drink mixer respectively.)
PEACH SHORTCAKE
(Waffle iron for shortcake and mixer for whipped cream.)
TEA
(in the coffee maker)

Dinner

BROILED STEAK
(on the electric cooker)
COTTAGE FRIED POTATOES
(on the electric cooker)
BEETS
(Sliced with mixer and cooked in chafing dish.)
CHEESE, PICKLE AND GREEN PEA SALAD
(Cheese and pickles shredded with mixer attachment.)
CHOCOLATE BROWNIES
(Mixed in mixer and baked on waffle iron.)
COFFEE
(in the coffee maker)

Late Evening Snack

OYSTER STEW
BACON AND TOMATO SANDWICHES
CRÊPES SUZETTE
COFFEE

Chicken Hawaiian

2 cupfuls cold diced chicken
1 cupful sliced pineapple, cut into small pieces
½ stalk celery, diced
1 medium onion, sliced thin
¼ cupful bacon drippings, butter, or olive oil
2 tablespoonfuls flour
1 cupful mushrooms
Liquid from mushrooms and pineapple to make 1 cupful
Salt and pepper to taste

Sauté pineapple and celery in melted fat in food pan of chafing dish placed directly on heating unit. To this add the flour, and then the remaining ingredients. Simmer in the covered pan until thickened. Then set into the water pan containing about 1 cupful water, and leave on the heating unit to keep warm while serving.

Oyster Stew

3 cupfuls milk
½ pint oysters
3 tablespoonfuls butter
½ teaspoonful salt
½ teaspoonful pepper

Scald milk in top part of chafing dish. Add oysters, butter, salt, and pepper. Cook until oysters become puffed and crinkled around the edges. Serve piping hot.

Bacon and Tomato Sandwiches

Bread, any desired kind, buttered
Bacon
Tomatoes
Mayonnaise

Fry slices of bacon on the cooker. Butter bread on one side only. Place sliced tomato on unbuttered side of one slice. Spread thinly with mayonnaise, cover with cooked bacon. Place second slice of bread on top, buttered side out, and toast between the grids.

Crêpes Suzette

½ cupful flour
3 tablespoonfuls powdered sugar
1 egg
¼ teaspoonful salt
½ cupful milk

Beat egg, add milk and dry ingredients, and stir until smooth. Cook like ordinary pancakes. Roll and reheat in Crêpes Suzette Sauce.

Crêpes Suzette Sauce

6 tablespoonfuls butter
1 cupful powdered sugar
Juice and grated rind of 1 orange

Cream butter and sugar and add orange rind and juice. Heat in chafing dish.

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Plummer

This new and attractive English-Adams Titian Service has met with immediate popularity. The quaint decoration is hand painted. $12 doz. The imported crystal goblet is engraved with a dainty floral spray and is modestly priced at $6 doz. Replacements easily made.

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Think in terms of colors rather than flowers

DAISY T. ABBOTT

ARE you sure what is the color of your house? If it is brick, you may say, red;—well, unless it is painted red brick it is not red, but a mixture of red and brown.

Go halfway down the street, half close your eyes and look at your home as an artist would. This trick brings the colors into proper relation to each other and will form the basis of your garden plan. You can't shut out the house from the rest of your grounds—usually it is the most prominent object on the small lot—so build your garden color scheme around your home and try to accent its beauties with your plantings.

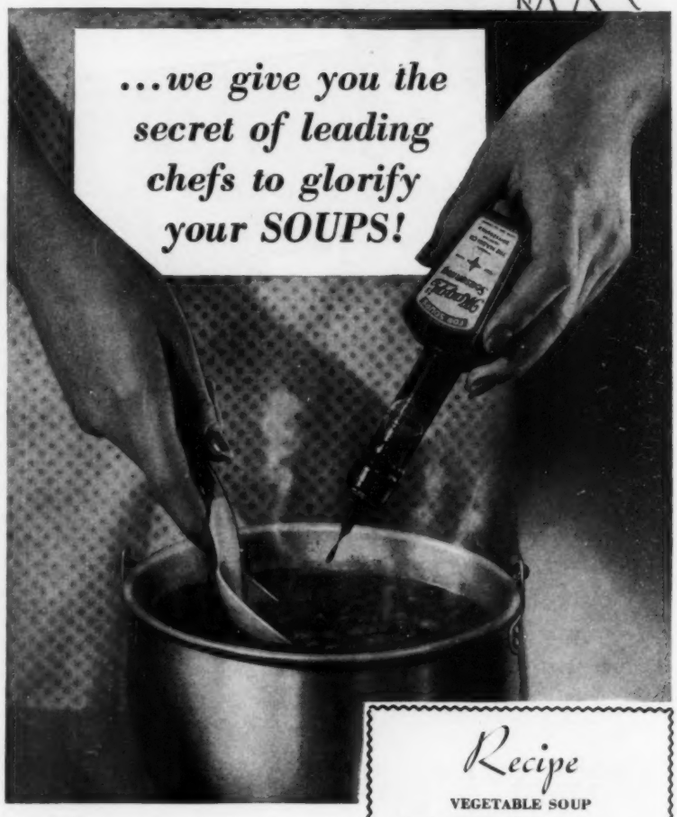
If your house is "red" brick you have the foundation of your garden colors right there before you. Don't plant Scarlet Salvia or Crimson Rambler Roses anywhere near; use shrubbery with blue-grey leaves—the Highbush Cranberry, Bridalwreath—or any of the dark evergreens; but not Hydrangeas, their leaves are too yellow to harmonize. Don't plant heavily enough to make the house look as if the shrubs were "holding it up." Let the poor thing come down to earth here and there—it makes for stability and looks warmer in winter.

Now the white house is really a grey—looked at properly. It can have around it all the color you desire. Japanese Barberries for winter, Engelmann Ivy to drape its walls with their lovely autumn tints, every kind of brilliant red Climbing Rose for summer, Japan Quince for spring. Make your house the keynote and plan the garden around it.

A green house seems easy to harmonize, but it isn't. Try to match your foundations to the shade of green on the walls, then use mostly white flowers with perhaps a yellow Rose climbing over the porch. There is the perfect harmony of color!

So much for the house. Now do you know why the hills look blue in the distance? Because they are far off. There is a thought. Blue creates a sense of distance; so, if you want to make your garden look longer, plant blue flowers at the ends. Plan a path leading up to two Blue Spruces and apparently going on behind them. You have created the illusion of something to see around the bend. Now plant tall blue Delphiniums in masses each side in front of the Spruces, blue Anchusa Lissdale, Monkshood for autumn, blue Iris with their

MADAM,



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Recipe

VEGETABLE SOUP

1 cup diced carrots
½ cup diced celery
1 medium sliced onion
½ cup diced string beans
1 cup diced potatoes
5 tablespoons butter
1 quart boiling water
1 cup stewed tomatoes
1 chopped hard-cooked egg
2 teaspoons salt
Speck of pepper
Several dashes of Maggi's Seasoning
Chopped parsley

Mix carrots, celery, onion and string beans and cook in butter five minutes, stirring constantly. Add boiling water and cook one hour over low flame. Add stewed tomatoes, chopped egg, salt and pepper. Stir in several dashes of Maggi's Seasoning to strengthen the full flavor of the soup. Serve and sprinkle with chopped parsley. Serves 6.

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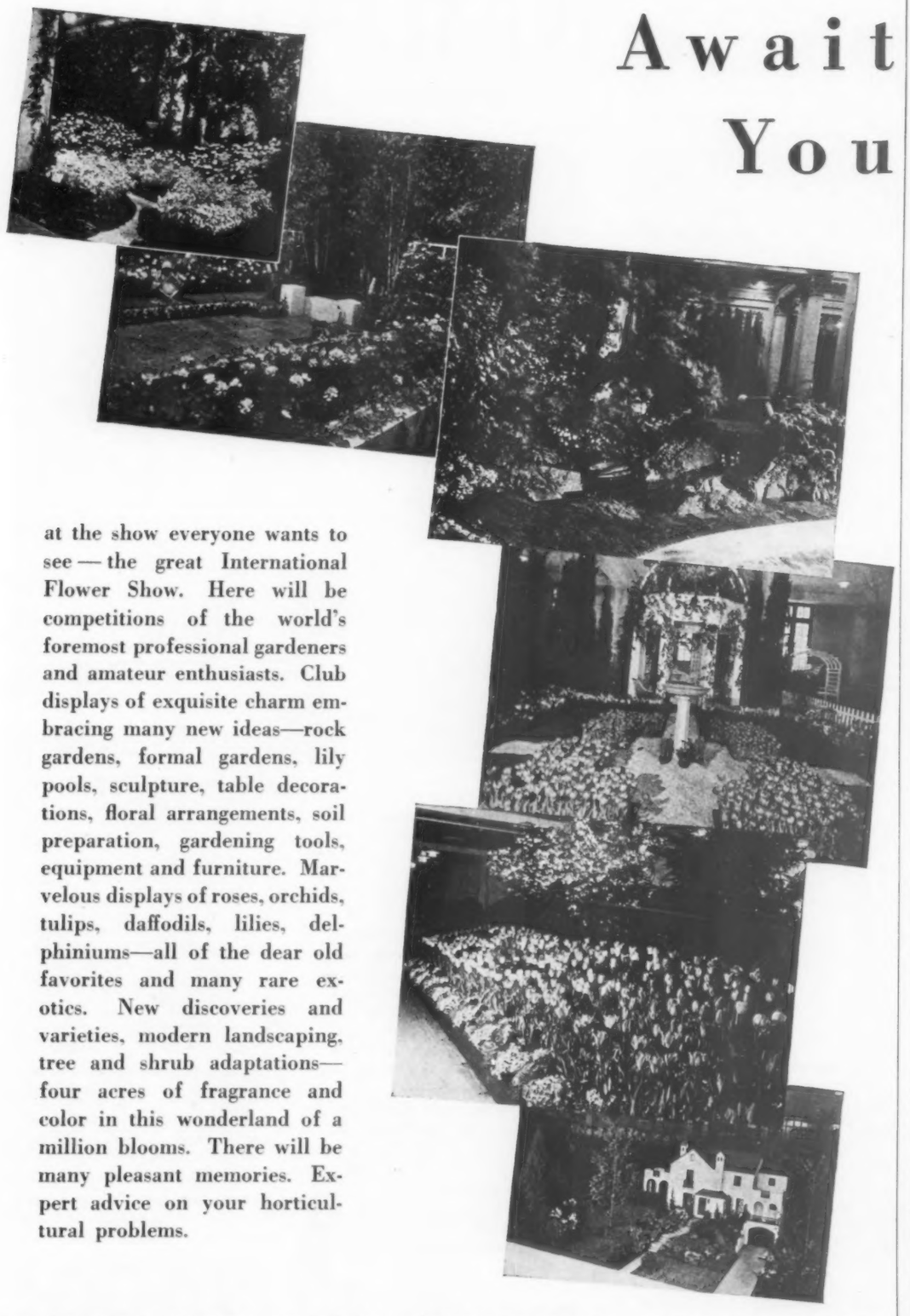

at the show everyone wants to see — the great International Flower Show. Here will be competitions of the world's foremost professional gardeners and amateur enthusiasts. Club displays of exquisite charm embracing many new ideas—rock gardens, formal gardens, lily pools, sculpture, table decorations, floral arrangements, soil preparation, gardening tools, equipment and furniture. Marvelous displays of roses, orchids, tulips, daffodils, lilies, delphiniums—all of the dear old favorites and many rare exotics. New discoveries and varieties, modern landscaping, tree and shrub adaptations—four acres of fragrance and color in this wonderland of a million blooms. There will be many pleasant memories. Expert advice on your horticultural problems.

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23rd INTERNATIONAL FLOWER SHOW

Think in terms of colors rather than flowers

[*Continued from page 109*]

lovely blue-grey sword leaves for spring; Scillas for just after the frost, but put a ground cover of Catmint, Nepeta mussini for the value of its greyish foliage. Can you vision it? Always a mass of blue, with the beautiful Spruces to lead the eye to the blue of Heaven.

It does not matter what flowers you choose to get the effect, the main point is that you must think in color first, then paint your picture with living beauty.

Don't buy just flowers or plants, buy colors. Don't say, "here is a Peony, where shall I plant it?" But ask "Where do I want pink." "Will a *pink* Peony fit that place?"

Plan your picture first to harmonize with and accent your home. Then get a good flower catalog and choose the colors with which you are going to paint.

There are only three main colors —red, blue, yellow. All the others are made from mixing those. But remember if you want harmony don't try to plant side by side a clear color and one composed of a mixture of the other two. A red Rose is not so good with a purple Petunia; orange and blue do not harmonize. These are called contrast colors and must be used carefully with lots of white to separate them.

Take a sheet of paper, plan out a border in color. Decide where you will stand in the garden when admiring it—everyone has a favorite spot or window from which to enjoy the flowers. Draw shapes like an egg, with the broad end to the edge of the border. Put the egg on an angle away from the view point. Make each egg join the others. That is your garden for this year.

Now, think color. Put blue at the further end; purple nearest to your standpoint; red in the center, with yellow towards the blue end; pink towards the purple; orange next the pink. That is to be your garden and it must be in color all the summer and the color must "not run." Each egg is to carry the same shade right from front to back.

No, it isn't difficult at all. You will have lots of fun with a good catalog, choosing what will fill the eggs—which flowers must go at the back, which make the carpet in front. The world is before you; the only limit your pocketbook. But, you will say, "I haven't space for such a thing. I have only a few Lilacs or some Bridalwreath. What about that?" You can paint a perfect picture around what you have. Are the Lilacs lavender? What

Tool house at Tyddyn

MARY EVANS

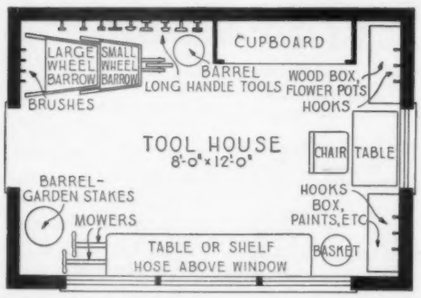
It is a wee place, this tool shed, eight feet wide, twelve feet long, and nine feet to peak of roof, standing at right angles to the big or dwelling house, and distant ten feet; easily accessible at all times. It is known in the builder's world as a skeleton house, that is, after the four corner posts are firmly planted in the ground, with the uprights and cross beams in place, the roof rafters are adjusted to the slant of the roof, and side boards are then nailed to the cross beams and uprights. Clapboards were used for the walls. For the roof, thin sheathing boards were nailed to the rafters and shingles laid on making it rain proof. This may seem a very slight shelter against wind and weather, but it has proved most satisfactory. Any man handy with carpenter's tools could easily make such a building, at little cost.

The little house has the same spirit and feeling as the dwelling house—Cape Cod or early New England. Mr. G. Edwin Brumbaugh the architect of the dwelling house, helped greatly in keeping the little one faithful to this tradition. Both structures are painted white with door and window frames and trim horizon blue. The roof of the little building slopes on the long side toward the east, and is quite short on the west side—creating a very pleasing effect in roof line. At the south end of the roof, over the little pointed gable is the weather vane, topped by a tiny wheelbarrow, the wheel of which forms the rays of the sun, the pointers north and south are a rake and hoe—with the letters N and S on the cross parts, the other two pointers are plain. It is painted black and makes a fine silhouette against the sky—the barrow points into the wind, whichever way it blows.

A path leads from the little flower room or tiny conservatory opening out of the dining room on the east side, passes the northern end of the tool house (which is the door) to the gate in the high white pointed picket fence enclosing the kitchen yard. One end of the building has a Rose, Source d'Or, while a sweet Clematis climbs up the other end, almost covering the roof and smothering the three windows on this west side.

The door into the building is of beaded boards, very simple. There is an old-fashioned handle of block iron and at the top of the door the shapes of a heart and a spade have been cut, not only for ventilation but also as a symbol, for working in the garden one must have the

[*Please turn to page 112*]



In absolute harmony with the dwelling this very small tool house is also quite practical, 8 x 12 ft.

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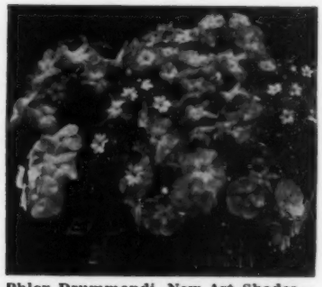

Phlox Drummondi, New Art Shades—A marvelous range of exquisite and unusual colors, rose, lavender, blue, purple, golden yellow and soft crimson. Each blossom starred with a large bright "eye" in contrasting color. **Pkt. 50c.**

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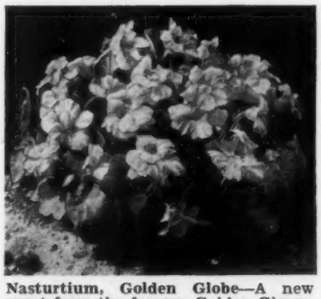

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Gravenstein—A delicious red and yellow autumn apple.

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On Saw Mill River Parkway
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Think in terms of colors rather than flowers

[*Continued from page 110*]

could be more beautiful than tall pink Clara Butt Tulips with a ground cover of double white Arabis for spring. Then lavender Phlox and apple-blossom Snapdragons for summer, with Sweet Alyssum; and beautiful hardy perennial Aster novi-belgi standing about four feet—a mass of lavender until after several hard frosts.

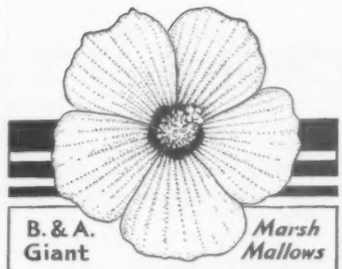
Have you just a nice clump of Evergreens? Rather sombre and dark, aren't they? How about a dash of living sunshine in front of them all the season? That is quite easy. For early spring, a broad handful of golden Crocuses; then Tulip Inglescombe Yellow with perennial Alyssum argenteum as a carpet. Tall golden Hollyhocks for summer with Coreopsis and Gaillardias, golden Zinnias; even Red-hot-poker. There are not many yellow ground covers for summer unless you want to use the golden leaved Pyrethrum and keep it sheared close; but there is your sunshine, choose your own flowers. If you hate the Pyrethrum—I do—plant Golden Gleam Nasturtium, lovely, double, compact, and have a sweet scent all the summer.

Perhaps there is only the garbage can standing outside the back door. Still, don't give up. It can be improved. Make a low fence with some chicken wire on two sides leaving an opening near the back door. Get two old pails, large flower pots—anything which will hold about a peck of earth—sink them level with the soil inside the railing, then sow annual climbers. Plant blue Clematis, if your house is not red. Even Engelmann Ivy will grow nicely, and in a short time you will have a pretty green or flowering hedge completely hiding the ugly garbage can.

Remember the value of a colorful vine climbing up a post. If you need purple, plant a Jackmann Clematis and train it up a stake. If you must have white in August, to keep the Tiger Lilies quiet, get some Double Tuberose bulbs; start them in pots, then sink pot and all in the corner with the orange Lilies in August. The same method can be followed with any of the more tender Lilies; rubrum, speciosum, or auratum. Then store the bulb in the pot during the winter.

Think of your garden as your summer sitting room. Make the colors harmonize as you would indoors. You will have unending peace and contentment watching the living picture which you have painted, always changing with the changing skies, reflecting the glory of the sunsets.

You can be an artist: think in color, not in flowers.



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Hibiscus, B. & A. Giant Marshmallows. Mammoth flowers 8 to 10 inches across. Colors from white to intense crimson. July, August. Mixed colors. 30 cts. each; $2 for 10.

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Aster Frikarti (Wonder of Staefa). Bears profusion of lavender-blue flowers, 3 inches across; fine for cutting. Everblooming, beginning in August. 2-3 ft. 50 cts. each; $1.25 for 3.

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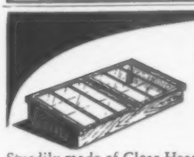

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Tool house at Tyddyn

[*Continued from page 111*]

heart to do, and a tool with which to work.

Along the east side hang all the long-handle tools, painted daffodil yellow, with the iron parts black, as also are all hand tools. All hooks in the tool house are painted black. By the door, to the left, is the large wheelbarrow painted "house blue" a shade lighter than the blue of the doors and windows, and this same blue is used on all furniture, barrels, boxes, baskets, etc. The large barrow is hooked up to the wall to save space, while below it stands the small barrow used by the gardener herself. Back in the corner behind the large barrow—well out of harm's way—are such things as pick, ax, crowbars, long-handle shovels and forks, hatchets, and other tools which a child might find and with which he could do harm to himself.

Beyond the long-handle tools in the corner near the south window is an old-fashioned cupboard or "case" of ancestral date, in which flower pots are stored on the lower shelves and where all kinds of small tools for carpentering work are arranged in a big wooden box, divided into sections. Here are nails, screws, hooks, etc., in round blue tin cracker boxes labeled on the top of the lid with the kind of article inside. On the top shelf is a sewing box, (a blue tin candy box) a very necessary article in a tool house, a box containing hair brush and mirror, so the gardener may tidy up quickly if caught by unexpected visitors.

Below the south window is a little table of ancestral date where the gardener has her lunch. At the east side of the table is just space enough for a blue painted box for paints, and on the other side is a box for shoes and overshoes. In the corner between the cupboard and end wall of the building is a narrow space where larger flower pots are stored and where the gardener's garden dress is hung.

Under these three windows on the west side (with their square panes which do not open) is a counter six feet by two feet, supported on heavy iron brackets and high enough to prevent stooping when potting, etc. The garden hose is hung on large iron straight hooks over the windows during the winter; but in summer, it is outside on the north wall of the building. The hooks in both cases are spaced so as to allow the hose, 150 feet of it, to stretch across easily and hang down on each side so as to drain well. Under the counter stand two old ash cans rejuvenated by blue paint, one for burlap covers, leaf covers, etc., and one for fertilizer,

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and an old wash-boiler, also blue, for storing pebbles used indoors in the winter garden, also the medium size lawn mower and an edger for sloping banks. In the corner stands a barrel holding garden sticks, etc., and behind it is a sod pounder—a 3" thick block of wood, 8" square, with a strong handle in the center (contrived from an old shovel handle) very useful for pounding newly laid sod. Across the roof rafters are boards laid to form a loft where boxes, baskets, wire netting, etc., are stored. From the rafters of the roof on black painted hooks hang the watering cans, buckets, baskets, etc., the private basket holding the small tools used by the gardener herself, including one pair of cotton gloves, over which are drawn pigskin ones for hard garden work. The small tools for general use are on the wall above the long-handle ones. Over the door and well out of the way, hang the sickles and scythes, fastened securely to the wall with long nails, and an old barn lantern to give the whole a look of old times. The floor is of brick, first a thick layer of cinders was put down, then a good coating of sand, then the bricks.

Back of the building (on the north side) is a yard enclosed by the high wall along the property line, the kitchen fence on one side, a smaller fence on the third side while the little building forms the fourth side. Here is the little woodshed, and the bird bath, sheltered by a Spruce tree, under which house plants are stored in summer. A trench below the wall is for bulbs planted in pots in early fall and left there covered up with ashes until it is time to bring them into the house; a burning cage is here, also a barrel holding sand for potting, etc. At the corner of the tool house on the north end is a large barrel for rainwater off the roof piped into the barrel through a hole cut in the removable cover board. Here tools are dumped to soak off soil and flower pots, etc., are washed. Both barrels are painted black. Everything in the building is in a very tight fit, but everything needed in work is there and easy to find.

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APPLES—Duchess of Oldenburg, Delicious, Fameuse, McIntosh, Baldwin, R. I. Greening.

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So impressed was he that being a writer sort of chap, we asked him to put the information in shape so we could make a book of it. He did a rather amazing job, that has doubtless lent a helping hand to more home-heating-interested folks than anything else you can find. And it is all told in a friend-to-friend way. If you feel it is just the sort of thing you have been wanting, glad to send you a copy.

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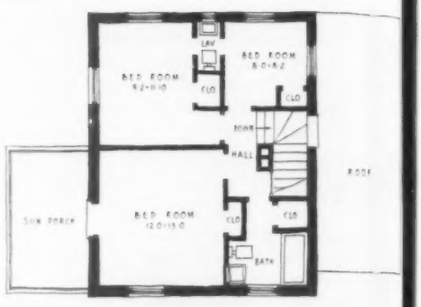
Plans for the small house

FIRST FLOOR

The plans show the generous allowance for closet space, a convenient wash room on the first floor and the extra lavatory on the second and sun-porch



SECOND FLOOR

UNDER the auspices of the More Modern Homes in America Council, of which A. Conrad Ekholm is director, and in coöperation with the Federal Housing Administration, efforts are under way to plan and build a number of small houses which shall cost $5000 or under on a general average throughout the country. According to this organization, heretofore the man with a small income has been denied the essentials of quality in design, construction, and equipment which have been available to the man of means. The present effort is intended to put within average reach a well-planned house, built of excellent materials for lasting satisfaction.

One of the first of the houses to be built under this plan is that shown on this page, designed by John J. Carroll, A. I. A. In planning it, Mr. Carroll had in mind the average suburban lot, 50′ wide x 100′ deep, and the necessities of the average family with average demands. There is an alternate plan prepared for a lot 40′ wide x 67½′ deep.

The exterior design is a simple expression of the plan, derived quite directly from Colonial precedent. It is intended to be executed in brick veneer, but other wall material can be substituted if desired. The house is heated by a hot water system, is completely equipped for telephone and electrical connections, has recessed radiation, ultra violet ray window glass, and in other details is as up to date as possible.

A study of the floor plans shows them convenient and well thought out. An entrance hall with a coat closet is a commendable convenience. The living room can be treated as one room, or the end nearest the kitchen handled as a dining room. The plan allows for a fireplace if desired, which can be served by a flue adjoining that of the heating plant. The latter is located back of the kitchen, thus

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All on one floor are a large living room, dining room, two master bedrooms and connecting bath, together with kitchen, maid's quarters and adjoining garage. There are many large closets. Off the living room is a flagstone terrace for outdoor entertaining.

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obviating the necessity for the excavation of a basement.

A compact kitchen and one-car garage complete the first floor. Due provision has been made for out-of-door living, in a planned terrace off the dining room, and a covered porch leading from the living room. The roof of this porch, like that of the garage, can be used as a sundeck opening from one of the upstairs rooms, if so desired.

Upstairs a minimum of space has been given to the hallway, so that a maximum could be left for the bedrooms, of which there are three. Two of them are large enough for twin beds. The architect has been particularly ingenious in working in a lavatory, in addition to the complete bathroom, an unusual feature in the small house.

One of these houses has been built recently in Chelsea Heights, Atlantic City, N. J., another is to go up in Margate City, N. J., and a third is under way at Hartford, Conn. The same organization is sponsoring houses in other price brackets. A $3000 house has been planned by J. Floyd Yewell, and a $6000 house by Dwight James Baum, architect, and Francis Keally, associate architect.

Permanent exhibit of building materials

[*Continued from page 101*]

tile. For those who do not want to go to this expense, painting the present floor is the answer, and there are several brands of paint developed to give cellar service.

The matters of insulation and air condition are also very important considerations at the moment. Different developments in these fields are available, too.

For windows there are Venetian blinds, rolling screens, and most dramatic of all a new casement window sash that comes complete with weather stripping, screen, and storm sash, all in one unit. The screen can be removed in winter, the storm sash in summer. Another sash, double-hung, is built so that when two are used together, the mullion between is very narrow, thus interfering with vision as little as possible.

Synthetic materials simulating wood paneling constitute a fascinating exhibit. It is surprising how realistically these produce the effect of genuine walnut or pine or mahogany paneling.

A large section is devoted to roofing materials, laid up as they would be in reality, and ranging all the way from wood shingles to expensive clay tile. A new thing recently brought out is the copper shingle, offering a completely

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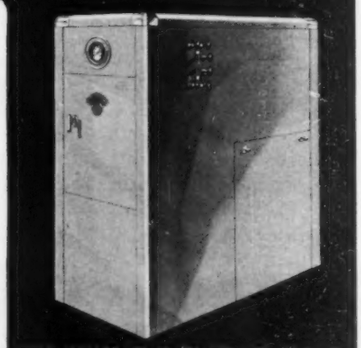

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fireproof treatment.

We could not possibly list here all the products at the exhibit. For one thing, they are changing constantly, as new things are brought out and others added to the collection already assembled. Just to give a general idea of the variety, there is an invalid's elevator that can easily be installed on an existing stairway, an "electric eye" door opener, radiator covers, electric heaters, "mark time" switches for lights in closets, garages, attics, and cellars, which automatically turn off the light after a given time, even though you yourself forget it, plates of various materials and colors for electric switches and buttons, chimes in place of door bells, and even a beautiful organ.

Company point

[*Continued from page 106*]

ourselves well supplied with deep sea fish, we achieved a splendid tan, we had the best summer ever!

Already we've mapped out next year's work. The boathouse interior needs attention, there are plans for landscaping, there's a fireplace to build, a terrace, and the year after that . . . but, as I said in the beginning, "If you've never remodeled an old farmhouse, you've missed a lot of fun."

Great International Flower Show

Grand Central Palace, N. Y.—March 16-21

WHY does the multitude flock to the flower show? Certainly it isn't for any great richness of practical lessons that may be derived. On the contrary, the flower show is an emotional stimulus. Once inside the portals of the exhibition hall, the spectacular glory of lavish bloom, the subtle fragrances in the air, the very design with which the displays are staged, all these things serve as a stimulus to the imagination. The visitor to the flower show sees, here, an almost concrete expression of the dream that comes with each unfolding spring. Though he know that he cannot achieve everything that the flower show displays, still, the garden addict gathers from it the stimulus of inspiration and if he can only achieve but a fraction he will be satisfied.

Nobody visits the flower show with the thought that the magical displays there put on view can be actually transferred or recreated in the individual home and it would be unfortunate if he did. The shows inspire none-the-less. We reach ever to higher things through a mental concept that is beyond the mere mundane experience. Nothing is achieved that was not first of all the child of imagination and it is this giving freedom of flight to the imagination in the galaxy of beauty and a floral feast of unparalleled splendor—all intangible though it may be—the garden lover is fired with an enthusiasm to get some fragment, some scintilla of the glory thus put almost in his grasp.

Of course, the flowers and the plants on the exhibition tables are the products of the most meticulous care and solicitous cultivation. They have been cultured into the very acme of perfection—shielded from the ills to which they normally might fall victim. The greenhouse has created the artificial atmosphere of ideal conditions of growth; the enemies and vicissitudes of climate have been defeated. Here, indeed, is the glory that may be.

We can get no exhilaration, no excitement, no inspiration from seeing the conventional and the commonplace and, here, in the great flower show, the visitor can gather, here and there, just a little bit of something practical, that he can fit into his own garden. A new plant, a new use for an old plant, new combinations—a realization of colorful beauty not hitherto awakened; and though the miniature, even doll-house like gardens of the many exhibitors are replete with helpful inspiration and suggestion. This little bit can be taken and recreated in one little corner or nook of the garden back home.

This is as it should be and it would be indeed unfortunate if the flower show gardenettes were reproduced in the great outdoors. They are frankly concentrates of imaginary possibilities—each one potent with 100 suggestions to the individual who perhaps can only use two or three. The suggestion is there, the inspiration is there, the psychological impulse to achieve this summer something new if indeed not something better, is the purpose of the flower show.

Westchester model home

[*Continued from page 102*]

dow, at the kitchen end of the room, is intended for the permanent dining table. On the second floor the master bedroom has its own bath and dressing room. Two other bedrooms have a second bath, and in addition there is a sewing alcove with linen shelves built into one end, and a doorway out onto the garage roof deck.

The house is to be given away the last day of the show.

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- 6 heavy bat leg chairs
- Hutch Cabinet with silver drawer
- Server with drawer

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Heliophylla leptophylla might work in. This is a crucifer.

We are offered a newer annual Mesembryanthemum in M. criniflorum, that seems evolved especially for our rock gardens—hardy, easily grown, slightly spreading, and about three inches high. From pink to crimson, from gold to primrose, apricot, buff, and pure white edged with all these tints, the blooms form a sheeting carpet in poor soils. Rock work, flagged paving, or stone walls are all to its taste. The well-known Portulaca is another succulent for such a position, though a Brazilian; and we have one annual Sedum in S. caeruleum.

The Gilias (also sometimes listed as Leptosiphon or Linanthus) and Phacelias give Western America much of her annual beauty. G. roseus and G. aureus are six-inch annuals of rose and orange-yellow that love the sun; while the yellow throated G. dianthoides is even lower. It is more usually lilac, but purple is frequent, and occasionally an exquisite shell pink occurs. The Harebell Phacelia (see illustration on page 20) is so old in gardens I hesitate to mention it, even though this rich blue Californian of the low mountain slopes might well tide us over the time we wait for some of the summer Gentians. The brilliantly purple P. sericea, that carries its flowers in an unrolling cyme, is a true perennial, but blooms so quickly from seed the first season, it may well be included here both for the finely-cut silvery rosettes and the glowing color of the feathery blooms. It makes a really more handsome rock plant if starved in moraine. Limnanthes douglasi foils these Phacelias well, being a low growing, mat forming type with open yellow saucers widely centered with white.

Other often useful annuals in the rock garden are Sanvitalia procumbens; Iberis Little Prince, white; and Queen of Italy, pink; Nemophila, Virginia Stock, Sweet Alyssum (Lilac Queen, Primrose Queen, and Little Gem); Abronia, Gypsophila muralis, Ionopsidium acaule, Anagallis, Gramanthes dichotoma, and Saponaria Scarlet Queen; while Dowingia elegans and D. pulchella bring their blue blooms to a moist pool edge. The deep red Mimulus breweri and the rose-pink M. fremonti hug the water edge. The perennial M. primuloides blooms almost as soon from seed, marching right into the pool or stream.

The Dianthus or Pink family offers many quick fillers in the rock garden, for besides the annuals, a number of the perennials bloom the first year from seed, and the family as a group spreads rather rapidly among the stones. D. roysi, an English hybrid of D. neglectus, is exceptionally pleas-

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ing, with trim silvery mat-forming foliage and soft pink blooms that escape the harshness of many Pinks. My May-sown seed began to bloom before the end of summer, and continued on lightly through the fall and heavy December freezes, a few even poking through the snow. Normally, the heaviest bloom comes in June.

The low-tufted Oenotheras (illustration on page 29) are good space fillers in the rock garden, loving warm sand and sun. Oe. californica is annual or biennial, three or four inches high, and bears large fragrant blooms that open white with a yellow base, then pass through deepening tones to crimson. Oe. caespitosa is a perennial that quickly forms a wide mat on a sunny slope, opening white and deepening to rose. Humus and granite grit encourage it to grow well.

The Sedums are often more valuable for their foliage effects through the year than for their bloom. The majority of the hardy types rapidly clothe the rocks, developing in a single season from a little rooted sprig, or even mere cutting, to a mass a foot or so across. S. altissimum is among the attractively foliaged plants of fair size; while the tiny S. anglicum is a pretty little white-flowered creeper of pinkish cast that goes well in paving stones and other small chinks. It softens and fills in between small and poorly shaped stones that are often used in walls.

The Thymes grow quickly, bringing a touch of fragrance, and the shrubby types make good little bushes among the stones. Dwarf Veronicas are also rapid, V. rupestris, the Rock Speedwell, atoning in color mass for any individual lack. Royal Blue is a bright true blue variety. The Aethionemas tend to bloom lightly the first season from seed, and in later years clothe hot rocks with a wealth of exquisite pink that contrasts well with the blue tones of their foliage. Arabis and Aubretia are rapid spreaders with a number of improved new forms upon the market. The various shades of Aubretia blend unusually well, and a far slope or wall in various tones is charming. The Alpine Wallflower (Cheiranthus allioni) is the most persistent bloomer my rock gardens have ever had. It bloomed the first season from seed, and one plant I have has not been without at least one flower through every month in the last three years.

When annuals are used as fillers for a single season, it is important to see that blooms are cut before they seed to avoid the progeny in years to follow. Rampant perennials that are not moved on to rougher homes need watching below ground as well as above. A deeply sunken rock may be used to curb their root growth toward the smaller plants.

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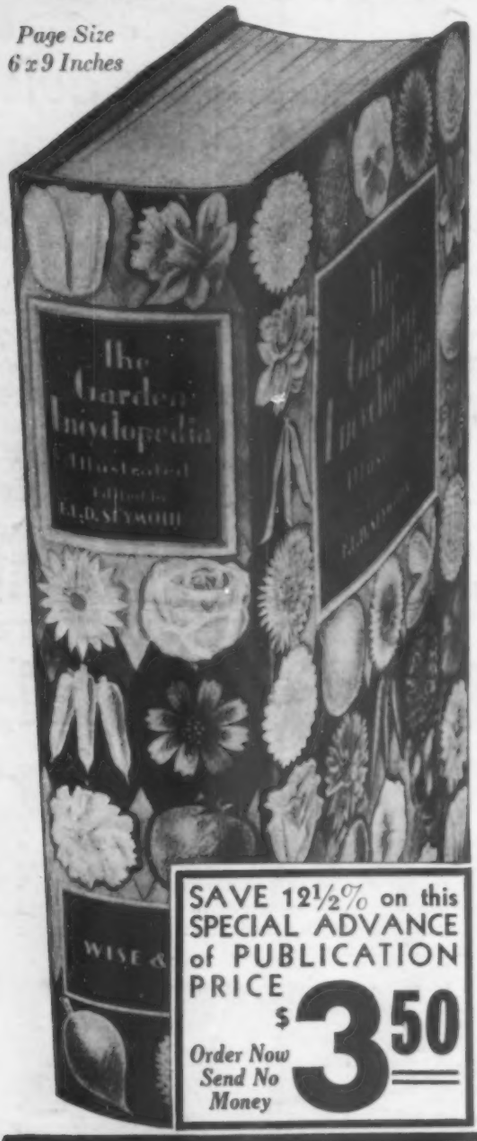

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